1963 CENSUS OF MANUFACTURES

VOLUME II
PRELIMINARY REPORTS

AREA STATISTICS

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1963 CENSUS OF MANUFACTURES

INDEX OF PRELIMINARY AREA REPORTS

Report Number	State	Report Number	State
MC(P)-		MC (P)-	
\$1 \$2 \$3 \$4 \$5 \$6 \$7 \$8 \$9 \$10 \$11 \$12 \$13 \$14 \$15 \$16 \$17 \$18 \$19 \$20 \$21 \$22 \$23 \$24 \$25 \$26	Alabama Alaska Arizona Arkansas Califormia Colorado Connecticut Delaware District of Columbia Florida Georgia Hawaii Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Mississippi Missouri	\$27 \$28 \$29 \$30 \$31 \$32 \$33 \$34 \$35 \$36 \$37 \$38 \$39 \$40 \$41 \$42 \$43 \$44 \$45 \$45 \$46 \$47 \$48 \$49 \$50 \$51	Montana Nebraska Nevada New Hampshire New Jersey New Mexico New York North Carolina North Dakota Ohio Oklahoma Oregon Pennsylvania Rhode Island South Carolina South Dakota Tennessee Texas Utah Vermont Virginia Washington West Virginia Wisconsin Wyoming

Territory

MC63(P)PR - Puerto Rico

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ALADAMA



1963 CENSUS OF **MANUFACTURES**



Area series

ALABAMA

preliminary report

Value added by manufacturing in 1963 in the State of Alabama amounted to \$2,342 million an increase of 13 percent from 1962 and 32 percent from 1958. Of this total, \$509 million was contributed by the Primary Metal Industries, and \$232 million by the Chemical Industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1. - GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num		All emp	loyees ¹	Pr	oduction worker	rs	Value	Capital	Index of (1958 •	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963 1962 ³ 1961 ³ 1969 ³ 1959 ³	4,100 (NA) (NA) (NA) (NA) 3,927	1,261 (NA) (NA) (NA) (NA) (NA)	244,241 234,928 227,459 229,496 229,756 229,830	1,157,450 1,067,357 997,278 982,835 964,396 920,009	197,800 192,188 185,269 187,631 188,210 188,743	391,110 372,199 358,654 364,942 370,315 363,169	840,336 776,502 723,913 719,688 708,046 677,598	2,342,124 2,074,921 1,941,002 1,957,616 1,884,236 1,770,510	202,265 151,084	106 102 99 100 100	13 11 11 11 10 10

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes employment and payroll at central administrative offices and authors units. For a definition of diese units see delt.)

Includes expenditures for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

March 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number.-This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

<u>Value added by manufacture</u>.-This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

ALABAMA

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

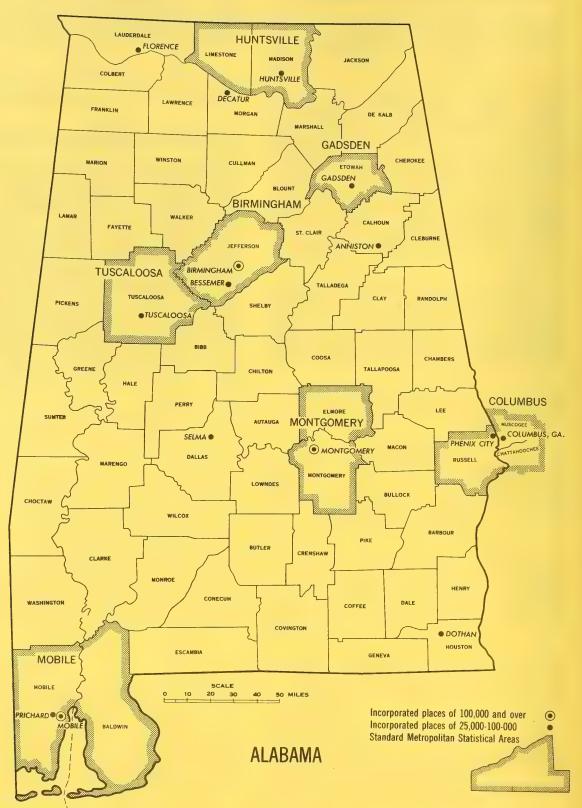


Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

				TOT EXPIRITE	196	umn caption				19	58
State, standard metropolitan	Establi num	shments,	All emp	loyees²	Pro	duction wor	kers	Value	Capital	All	Value
statistical areas, and counties ¹	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
ALABAMA, TOTAL	4,100	1,261	244,241	1,157,450	197,800	391,110	840,336	2,342,124	152,130	229,830	1,770,510
STANDARD METROPOLITAN STATISTICAL AREAS											
Birmingham ⁴ Columbus ⁵ . Portion in Alabama. Portion in Georgia. Gadsden ⁶ . Huntsville ⁷ . Mobile ⁸ . Montgomery ⁹ . Tuscaloosa ¹⁰ .	674 182 43 139 97 116 343 206 105	279 69 10 59 26 46 96 75	60,145 16,517 812 15,705 9,581 13,315 18,122 7,651 7,791	360,185 61,998 2,448 59,550 62,298 87,094 99,284 30,720 39,285	43,074 13,634 702 12,932 8,015 9,045 14,663 5,492 6,376	86,062 27,754 1,454 26,300 15,442 17,971 29,934 11,396 12,576	240,639 45,117 2,088 43,029 50,341 45,000 75,514 19,563 30,177	674,562 139,019 5,513 133,506 147,755 118,682 224,414 62,240 72,914	36,326 5,949 572 5,377 18,016 4,252 18,056 3,649 3,375	63,495 17,105 767 16,338 11,714 6,805 19,001 7,262 7,878	587,027 99,574 2,892 96,682 134,703 43,621 198,691 46,410 88,577
COUNT IES ¹											
Autauga, Baldwin, Barbour, Bibb, Blount,	14 82 59 28 16	19 13 8 3	994 2,147 1,246 1,193 611	4,157 6,882 3,183 3,009 1,976	802 1,887 1,150 1,113 563	1,540 3,849 2,043 1,923 1,164	2,973 5,534 2,774 2,630 1,580	9,370 14,250 6,427 4,466 4,972	(Z) 1,209 539 (Z) (Z)	1,078 1,653 1,154 1,178 608	3,451 9,715 3,644 3,960 3,571
Bullock. Butler. Calhoun. Cherokee. Chilton.	19	5	458	1,199	416	819	1,055	2,092	(Z)	256	739
	57	10	1,797	5,331	1,656	3,336	4,663	8,378	727	1,680	5,839
	113	41	9,103	40,376	7,977	15,411	33,417	82,645	2,840	10,612	72,001
	16	3	466	1,364	418	767	996	2,375	(Z)	399	1,401
	41	1	715	2,268	620	1,228	1,943	3,390	(Z)	708	2,857
Choctaw. Clarke Clay. Cleburne Coffee.	51	10	1,916	9,114	1,718	3,529	7,612	23,670	2,147	709	1,778
	83	12	2,583	7,730	2,196	4,451	6,444	12,574	1,544	2,474	10,601
	28	5	773	2,657	691	1,307	1,954	4,380	(Z)	594	1,915
	20	3	329	1,156	274	562	817	5,015	(Z)	462	2,993
	39	10	2,038	6,993	1,717	3,425	5,396	9,829	(Z)	2,112	9,849
Colbert. Conecuh. Coosa. Covington. Crenshaw.	55	18	7,716	50,606	6,192	12,992	38,753	113,843	8,768	7,033	92,089
	33	7	795	2,411	717	1,393	2,051	3,663	(Z)	794	2,053
	45	6	557	1,588	424	855	1,114	2,135	(Z)	483	1,604
	62	18	4,364	13,439	3,837	7,458	11,195	23,451	1,116	4,776	18,156
	41	9	804	1,933	752	1,364	1,754	2,736	(Z)	512	1,289
Cullman. Dale Dallas. De Kalb. Elmore.	46	14	2,086	6,542	1,892	3,636	5,302	17,463	782	1,336	4,972
	54	10	3,005	13,060	2,452	4,853	10,252	16,855	(Z)	1,824	8,983
	57	23	3,001	9,709	2,498	4,930	7,175	20,782	1,877	2,811	16,181
	51	18	2,251	6,645	1,976	3,360	5,125	14,627	(Z)	1,780	7,766
	27	7	717	2,061	631	1,183	1,812	4,112	(Z)	635	4,037
Escambia	63	16	2,543	9,566	2,263	4,658	7,714	20,585	808	2,477	12,650
Etowah	97	26	9,581	62,298	8,015	15,442	50,341	147,755	18,016	11,714	134,703
Fayette	28	7	1,223	3,613	1,090	1,935	3,006	6,418	(Z)	1,027	4,368
Franklin	35	11	999	3,137	871	1,681	2,533	5,399	654	549	2,402
Geneva	32	7	1,757	4,690	1,705	3,205	4,407	10,902	530	1,428	6,824
Hale.	26	6	692	1,478	601	876	1,094	2,637	(Z)	474	2,082
Henry.	29	3	933	2,686	864	1,795	2,376	3,864	(D)	786	3,459
Houston.	87	27	3,805	13,169	3,085	6,177	9,096	24,379	1,505	3,386	18,967
Jackson.	57	16	2,414	7,142	2,224	4,166	6,005	17,324	1,414	1,901	7,021
Jefferson.	674	279	60,145	360,185	43,074	86,062	240,639	674,562	36,326	63,495	587,027
Lamar	32	7	1,918	4,768	1,827	3,418	4,395	5,910	(Z)	1,425	3,632
Lauderdale	41	15	1,866	7,943	1,515	3,069	5,707	16,053	650	1,803	12,061
Lee	62	17	4,064	14,634	3,486	7,206	11,432	32,064	2,652	3,747	20,377
Limestone	18	6	592	1,547	535	1,034	1,311	2,849	(Z)	621	1,902
Lowndes	27	2	281	635	266	538	581	943	(Z)	283	560
Macon.	25	5	404	978	371	689	861	2,132	(Z)	193	636
Madison.	98	40	12,723	85,547	8,510	16,937	43,689	115,833	4,175	6,184	41,719
Marengo.	52	14	2,102	8,565	1,839	3,603	6,680	18,388	1,057	1,738	11,860
Marion.	38	13	2,713	8,177	2,452	4,686	6,803	32,327	862	1,659	13,764
Marshall	59	19	3,703	11,468	3,323	6,268	9,643	24,503	872	2,505	13,140
Mobile. Monroe. Montgomery. Mondgamery. Morgan. Perry.	261	77	15,975	92,402	12,776	26,085	69,980	210,164	16,847	17,348	188,976
	40	12	2,382	8,693	1,966	3,891	5,582	25,234	533	1,922	6,945
	179	68	6,934	28,659	4,861	10,213	17,751	58,128	3,315	6,627	42,373
	75	37	6,045	31,753	4,338	9,121	19,829	97,223	3,953	5,234	55,311
	20	6	831	2,064	734	1,303	1,756	3,581	(Z)	280	1,631

See footnotes at end of table.

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958—Continued (See text for explanation of column captions)

							<u> </u>				
					196	3				19	58
State, standard metropolitan statistical areas.	Establi num	shments, ber	All emp	loyees ²	Pro	duction wor	kers	Value	Capital	All	Value
and counties1	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
COUNTIES1 —Continued											
Pickens, Pike. Randolph. Russell. Shelby.	62 35	12 13 9 10 17	1,491 1,480 1,959 812 2,022	5,237 4,046 5,589 2,448 8,074	1,337 1,331 1,867 702 1,814	2,544 2,536 3,681 1,454 3,510	4,286 3,405 5,280 2,088 6,764	12,155 7,599 7,153 5,513 23,481	521 (Z) 1,334 572 1,061	1,585 1,002 1,857 767 1,593	10,116 3,749 4,575 2,892 11,400
Sunter Talladega, Tallapoosa, Tuscaloosa Walker	84	6 38 25 41 22	649 8,138 7,371 7,791 1,897	1,889 33,789 26,430 39,285 5,776	548 7,353 6,681 6,376 1,588	1,195 14,023 13,358 12,576 2,994	1,481 27,177 21,642 30,177 4,191	3,360 76,423 41,314 72,914 12,524	(Z) 5,877 4,784 3,375 1,113	647 7,125 7,104 7,878 2,036	2,625 50,484 34,043 88,577 9,053
Wilcox	51 35	10	628 1,244	1,446 3,897	547 1,050	1,113 2,087	1,256 3,132	2,661 6,463	(Z) 503	553 923	1,748 3,713

(D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand.

1 Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

2 Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

3 Includes expenditures for plants under construction but not in operation.

4 The Birmingham Standard Metropolitan Statistical Area is coextensive with Jefferson County, Ala.

5 The Columbus Standard Metropolitan Statistical Area consists of Chattahoochee and Muscogee Counties, Ga., and Russell County, Ala.

6 The Huntsville Standard Metropolitan Statistical Area consists of Limestone and Madison Counties, Ala.

8 The Mobile Standard Metropolitan Statistical Area consists of Elmore and Montgomery Counties, Ala.

9 The Montgomery Standard Metropolitan Statistical Area consists of Elmore and Montgomery Counties, Ala.

10 The Tuscaloosa Standard Metropolitan Statistical Area is coextensive with Tuscaloosa County, Ala.

Table 3. - GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See taxt for explanation of column continua)

				(See text	for explana	tion of col	umn captions	3)				
						196	3				19	58
Code	Industry group	Establi num	shments,	All emp	loyees	Pro	duction work	kers	Value added by	Capital	All employ-	Value added by
oode	mado at a Broad	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	anufac- ture itures, ees, number \$1,000) (\$1,000)	manufac- ture	
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total ²	4,100	1,261	244,241	1,157,450	197,800	391,110	840,336	2,342,124	152,130	229,830	1,770,510
20 201 202 203 204 207	Food and kindred products Meat products Dairies Canned and frozen foods Grain mill products. Candy and related products.	532 98 64 20 84 13	215 46 31 15 19	22,049 6,761 3,750 1,180 1,913	86,927 21,455 17,916 3,660 9,237 1,477	13,530 5,852 1,224 1,004 1,154 473	27,280 10,967 2,619 1,932 2,662 963	43,999 16,478 4,959 2,665 5,068 1,271	201,265 43,327 38,385 10,361 32,062 2,220	12,744 3,161 3,182 650 1,601 (Z)	19,878 5,053 3,469 848 2,005 482	151,756 31,163 31,400 6,585 22,274 1,867
209	Miscellaneous foods and kindred products	97	24	1,720	7,463	1,066	2,323	3,472	17,044	959	1,856	15,231
22 221 224 225 226	Textile mill products	131 30 11 33	111 28 10 22	35,352 17,484 1,003 5,086	125,095 61,229 3,850 16,996	32,865 16,433 891 4,750	65,366 32,924 1,836 9,046	108,279 55,136 3,010 14,025	225,749 108,476 7,121 26,417	17,584 7,168 575 1,724	39,511 22,743 631 5,035	178,155 88,505 3,790 25,593
228 229	wool	5 31 13	4 30 9	1,595 5,787 1,854	7,044 19,885 6,830	1,378 5,492 1,570	3,160 10,786 3,012	5,359 17,727 5,455	14,441 36,212 11,481	832 5,926 (Z)	1,795 6,531 1,723	11,139 30,454 11,488
23 232 233 234	Apparel and related products Men's and boys' furnishings Women's and misses' outerwear Women's and children's	185 72 26	129 65 21	30,945 16,367 2,439	86,411 44,440 6,194	28,859 15,280 2,182	53,756 28,480 4,071	76,144 39,359 5,431	155,209 70,796 10,151	7,778 1,780 (Z)	21,995 13,066 961	89,821 42,810 3,494
236 239	underwear	22 11 42	21 6 9	7,512 1,313 .1,263	22,330 4,168 3,886	7,100 1,267 1,081	13,322 2,245 2,243	19,856 3,806 3,043	51,404 6,436 6,420	646 (Z) 4,584	3,757 831 1,492	20,264 4,758 10,819
24 241 242 243 244 249	Lumber and wood products Logging camps and contractors Sawmills and planing mills Millwork and related products Wooden containers Miscellaneous wood products	1,527 815 559 91 21 41	236 18 164 35 8 11	20,773 3,793 12,543 2,823 719 890	56,068 7,178 34,013 9,690 2,190 2,997	18,407 3,350 11,226 2,404 662 765	36,384 6,376 22,184 4,897 1,345 1,609	46,769 6,367 28,883 7,378 1,787 2,354	101,613 14,136 57,645 19,512 3,756 5,947	11,028 2,891 6,771 849 (Z)	23,773 4,060 15,435 2,658 697 923	77,894 9,839 49,271 11,994 2,708 4,082
25 251 254	Furniture and fixtures Household furniture Partitions and fixtures	125 81 22	37 28 5	3,634 3,038 262	12,859 10,662 1,136	3,134 2,651 218	6,269 5,248 475	9,916 8,309 871	24,356 20,216 2,071	1,130 922 (Z)	2,936 2,667 135	15,329 13,797 692

See footnotes at end of table.

Table 3. —GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958—Continued

(See text for explanation of column captions)

_						196	3				19	58
Code	Industry group	Establi num	shments, ber	All emp	Loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
Code	Hidds try group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new1 (\$1,000)	ees, number	manufac- ture (\$1,000)
26 262 264 265	Paper and allied products Paper mills, except building. Paper and paperboard products Paperboard containers and		35 4 12	12,132 5,400 3,390	76,239 39,124 16,407	9,843 4,536 2,537	20,994 9,579 5,254	59,986 31,261 12,756	165,421 92,035 20,742	16,108 11,209 752	9,823 5,170 2,688	112,347 71,462 23,127
27 271	Printing and publishing Newspapers	105	12 45 15	926 5,432 2,950	3,521 27,220 15,078	777 3,461 1,517	1,595 6,962 2,987	2,631 17,636 8,527	7,482 54,717 31,430	2,389 977	5,165 3,046	1,617 44,632 26,999
273 275	Books	14 147	15	301 1,605	1,425 8,077	221 1,340	2,743	958 6,496	2,137 13,358	(Z) 998	1,478	738 10,498
28 281 286 287 289	Chemicals and allied products Basic chemicals Gum and wood chemicals Agricultural chemicals Miscellareous chemical	144 30 12 51	61 17 4 24	8,629 2,794 340 1,476	49,543 17,772 1,755 6,098	6,117 2,009 227 1,116	12,468 3,917 469 2,353	31,450 11,672 1,043 4,131	231,736 95,406 4,784 18,339	.13,244 6,446 (Z) 1,559	8,191 2,745 439 1,077	139,730 69,060 4,555 7,019
207	products	16	6	724	4,428	557	1,084	3,067	29,943	563	903	15,533
29	Petroleum and coal products	33	10	862	4,907	652	1,358	3,407	15,150	674	764	9,491
30	Rubber and plastics products, n.e.c	25	11	6,313	41,583	5,389	11,207	34,064	112,859	6,132	5,799	96,790
32 327 328 329	Stone, clay and glass products. Concrete and plaster products Cut stone and stone products. Nonmetallic mineral products.	279 195 15 29	96 45 4 16	8,381 3,162 372 860	36,691 12,314 1,455 3,951	6,475 2,356 317 659	13,182 4,750 681 1,347	27,245 8,154 1,255 2,928	97,943 32,379 2,089 9,917	6,567 3,135 530 (Z)	8,250 2,658 339 857	84,371 21,449 2,397 10,315
33 331 332	Primary metal industries Steel rolling and finishing. Iron and steel foundries	91 16 48	72 15 41	39,850 21,774 11,484	263,522 155,927 60,861	33,328 17,716 10,210	65,108 33,187 20,357	209,244 121,849 50,431	509,274 315,500 100,742	42,779 29,968 4,653	38,024 20,874 11,815	469,497 301,657 86,842
34 344 345 346 347	Fabricated metal products Structural metal products Screw machine products Metal stampings	156	89 49 5 4	13,513 6,802 879 441 261	70,075 37,039 5,402 1,804	10,904 5,194 736 335	21,284 10,565 1,479 543 460	50,406 25,975 4,063 1,007	133,728 67,379 9,296 4,312	4,759 2,209 (Z) (Z) (Z)	12,358 6,608 785 513 173	107,671 56,653 8,461 5,050 1,348
348	Metal services, n.e.c Fabricated wire products, n.e.c	17	8	497	1,144 2,319	228	876	1,716	2,147 7,371	(2)	272	3,730
349	Fabricated metal products,	17	111	3,110	16,315	2,661	4,699	12,055	32,354	924	2,693	23,899
35 352 353	Machinery, except electrical Farm machinery and equipment. Construction and like	213 19	44	5,301 898	27,762 3,881	4,115 718	8,457 1,393	18,902 2,301	55,546 9,002	2,325 (Z)	4,387 587	28,885 4,099
354 355 359	equipment	17 20 17 102	6 4 9 5	760 338 1,211 734	4,106 2,020 6,442 3,743	584 259 922 604	1,294 531 1,835 1,209	2,802 1,463 4,109 2,926	8,453 2,607 13,291 7,416	(Z) (Z) (Z) (Z)	1,338 169 1,018 643	6,147 1,267 7,358 5,161
36	Electrical machinery	36	15	3,800	19,528	2,963	6,218	13,307	37,553	1,815	3,766	33,797
37 371 373	Transportation equipment Motor vehicles and equipment. Ship and boat building		28 12 6	15,814 1,763 2,946	93,634 8,696 16,525	11,762 1,424 2,738	23,672 3,168 5,085	62,473 6,329 14,800	142,593 17,290 21,269	3,370 755 868	17,229 1,779 3,575	104,147 13,489 28,976
39	Miscellaneous manufacturing, including ordnance ³	89	28	6,647	43,855	4,434	8,234	22,547	63,790	1,390	2,247	17,725
	Administrative and auxiliary4	-	-	3,152	30,450	-	-	-	_	_	4,472	-

Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand.

*Includes expenditures for plants under construction but not in operation.

*The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

*Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

*In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

Table 4. —GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

(See text for explanation of column captions)

						196	53				19	58
Code	Industry group	Establi num	shments,	All emp	loyees	Pro	oduction wor	kers	Value	Capital	All	Value
	21.000,221, 82.00%	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	added by manufac- ture	expend- itures, new1	employ- ees, number	added by manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
			····		(Coextensive	BIRMINGHAM with Jeffe	SMSA rson County,	Ala.)			
	All industries, total ²	674	279	60,145	360,185	43,074	86,062	240,639	674,562	36,326	63,495	587,027
20 201	Food and kindred products	89	50	5,789	26,022	3,067	6,466	12,167	58,911	4,358	6,392	50,610
202	Meat products	12	10	928 1,153	3,875 5,279	773 361	1,527	2,847 1,368	7,665 9,991	715	1,408 1,135	9,513 9,340
205	Bakery products	18	12	1,654	6,864	879	1,832	3,482	11,654	1,077	1,753	11,887
208 209	Beverages	12	7	446	1,587	166	332	540	8,296	(Z)	500	4,242
207	kindred products	21	9	684	3,636	329	675	1,106	8,596	(Z)	536	5,813
23	Apparel and related products	17	6	1,097	3,199	964	1,685	2,384	5,970	(Z)	1,036	5,309
24	Lumber and wood products	42	13	1,014	3,483	875	1,747	2,834	5,256	616	1,210	4,750
242	Sawmills and planing mills	21	10	767	2,531	686	1,355	2,209	3,830	(Z)	718	2,793
25 251	Furniture and fixtures Household furniture	38 22	12	1,189 879	4,976 3,777	969 721	1,905 1,389	3,543 2,701	8,761 6,635	(Z)	863 752	5,783 4,989
26	Paper and allied products	8	7	1,202	3,705	533	1.127	2,104	7,341	(Z)	517	2,917
27		83	19	,	1				1			
275	Printing and publishing Commercial printing	45	10	2,147 1,002	11,644 5,342	1,497 851	2,953 1,759	8,389 4,444	22,068 8,644	825 (Z)	2,233 895	22,058 6,733
28	Chemicals and allied products.	34	12	985	6,195	672	1,360	3,906	18,339	1,295	1,437	17,670
281	Basic chemicals	8	4	270	1,802	178	374	1,097	8,050	864	625	8,509
32 327	Stone, clay and glass products Concrete and plaster	58	32	2,868	12,914	2,001	4,066	9,104	35,725	1,280	3,022	36,046
329	products Nonmetallic mineral products	25 17	9 10	532 587	2,201 2,838	390 429	795 884	1,267 2,039	5,570 8,248	(Z) (Z)	687 553	6,083 6,980
33 332	Primary metal industries Iron and steel foundries	42 20	36 19	22,663 5,144	159,904 32,284	18,365 4,331	36,137 9,626	123,558 24,979	302,344 51,539	20,784 3,211	22,067 5,264	291,815 48,890
34 344 349	Fabricated metal products Structural metal products Fabricated metal products.	115 70	50 29	8,305 4,751	46,479 27, 388	6,429 3,508	12,829 7,145	32,680 18,906	88,772 51,131	3,292 1,714	7,511 4,490	68,641 40,657
247	n.e.c	10	6	1,614	9,324	1,313	2,560	6,703	18,820	560	1,522	13,616
35 359	Machinery, except electrical Miscellaneous machinery	68 24	15 5	1,547 425	8,813 2,353	1,191 344	2,425 676	6,172 1,766	17,534 5,092	679 (Z)	2,086 344	13,369 2,955
36	Electrical machinery	14	6	768	4,904	513	1,079	2,786	9,809	(Z)	755	6,793
37	Transportation equipment	17	8	7,382	46,141	4,770	9,760	26,043	77,534	1,427	10,127	53,185
39	Miscellaneous manufacturing	26	7	543	2,158	445	878	1,540	3,530	(Z)	414	2,627
	Administrative and auxiliary3.	-	-	1,664	14,926	-	-	-	-	-	3,045	-

Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand.

1 Includes expenditures for plants under construction but not in operation.

2 The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

3 In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

U.S. DEPARTMENT OF COMMERCE **BUREAU OF THE CENSUS** WASHINGTON, D.C. 20233

POSTAGE AND FEES PAID U.S. DEPARTMENT OF COMMERCE

OFFICIAL BUSINESS







Area series

preliminary report

Value added by manufacturing in 1963 in the State of Alaska amounted to \$89 million, a decrease of 2 percent from 1962 and an increase of 38 percent from 1958. Of this total, \$43 million was contributed by the food and kindred products industries, the leading industry group in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. For 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

Year	Establis num	hments,	All emp	loyees ¹	Pr	oduction worke	rs	Value	Capital	Index of	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963 1962°a 1961°a 1960°a 1959°a 1958	295 (NA) (NA) (NA) (NA) (NA)	77 (NA) (NA) (NA) (NA) 69	0,011 5,417 5,282 5,608 -,∂4 4,807	39,503 34,917 32,659 35,314 25,643 25,716	7,840 4,410 4,21 4,527 3,601 3,931	9,535 8,482 8,402 9,108 6,954 7,258	29,954 27,033 25,224 27,895 19,996 19,850	89,311 91,508 89,244 71,870 63,475 64,595	14,580 6,394 (5,344) 3,417 (D) 3,264	125 113 110 117 93 100	138 142 138 111 98 100

(D) Withheld to avoid disclosing figures for individual companies. (NA) Not available.

*Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

*Includes expenditures for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

May 1 25

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>—This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number.-This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours. --This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture.--This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

ALASKA

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

ALASKA

Table 2.—GENERAL STATISTING FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1/03 AND 1/2

(See text for explanation of column captions)

					196	ó				19	58
State, standard metropolitan		shments,	All emp	loyees ¹	Pro	duction work	kers	Value	Capital	All	Value
statistical areas, and counties	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ² (\$1,000)	employ- ees, number ¹	added by manufac- ture (\$1,000)
ALASKA, TOTAL	295	77	6,011	39,503	4, 3س	9,535	29,914	89,311	14,580	4,807	~

¹Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

²Includes expenditures for plants under construction but not in operation.

Table 3. - GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

						196	3				19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
Code	Transport Groot	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
	All industries, total ²	295	77	6,011	39,103	4,845	9,535	29,954	89,311	14,580	4,807	64,595
20 203	Food and kindred products Canned and frozen foods	112 83	48 40	2,906 2,346	16,179 12,781	2,466 2,143	4,842 4,144	12,855 10,981	43,194 37,108	1,674 1,384	3,046 2,535	37,542 31,396
24	Lumber and wood products	89	17	1,111	6,410	952	1,808	5,402	9,592	1,496	617	4,233
27 271	Printing and publishing Newspapers	30 16	3	371 299	2,314 1,917	198 155	389 302	1,231 975	3,865 3,121	(Z)	322 252	3,589 2,838
	Administrative and auxiliary3	-	-	22	234	-	-	-	-	-	(D)	-

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

(This State contained no standard metropolitan statistical areas with 40,000 or more manufacturing employees)

⁻ Represents zero. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State,

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported searately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage ware-houses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.



PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

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Area series

ARIZONA

preliminary report

Value added by manufacturing in 1963 in the State of Arizona amounted to \$617 million, an increase of 23 percent from 1962 and 71 percent from 1958. Of this total, \$94 million was contributed by the primary metal industries and \$87 million by the electrical machinery industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

Year 1965	Establis num		All emp	oloyees ¹	Pr	oduction worke	rs	Value added by	Capital expend-	Index of change (1958 = 100)	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963 1962 ⁸ 1961 ³ 1960 ⁹ 1959 ⁸	1,512 (NA) (NA) (NA) (NA) 1,150	334 (NA) (NA) (NA) (NA) 257	57,339 r50,299 r48,558 r47,536 r44,720 r40,563	349,124 r304,934 r285,658 r268,641 r244,643 r213,289	38,687 34,946 34,071 34,419 33,523 29,980	77,855 71,474 69,260 69,788 68,296 61,387	212,187 194,283 184,084 176,296 169,545 148,325	-617,413 501,924 473,415 475,050 402,101 360,173	49,154 39,194 67,229 34,684 33,850 27,698	140 126 121 118 111 100	171 139 131 132 112 100

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>—This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours. --This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

ARIZONA

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

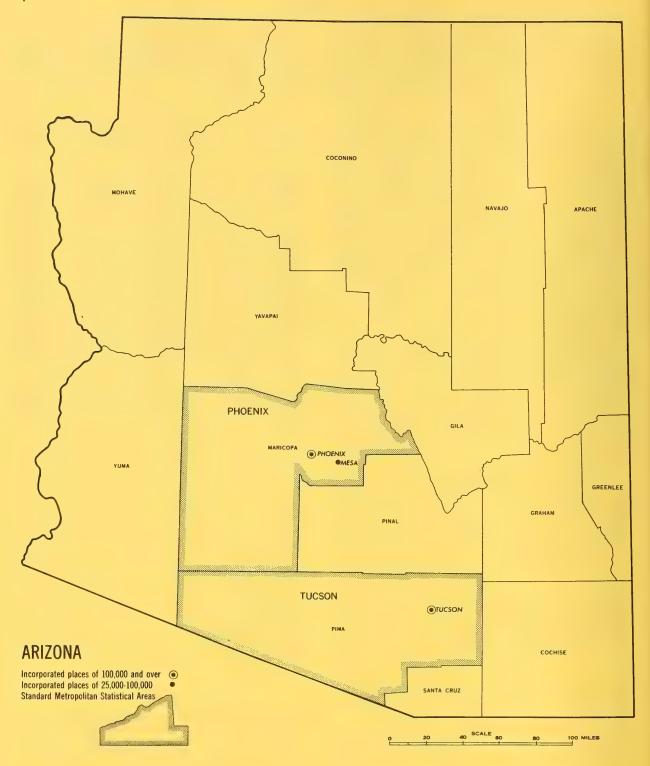
The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



ARIZONA

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 195 (See text for explanation of column captions)

					196	3				19	58
State, standard metropolitan	Establi num	shments,	All emp	loyees ²	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
statistical areas, and counties ¹	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ³ (\$1,000)	employ- ees, number ²	manufac- ture (\$1,000)
ARIZONA, TOTAL	1,512	334	57,339	349,124	38,687	77,855	212,187	617,413	49,154	r _{40,563}	360,173
STANDARD METROPOLITAN STATISTICAL AREAS											
Phoenix ⁴	967 240	228 47	41,127 8,283	254,497 50,844	26,254 5,978	52,993 11,449	144,334 34,615	423,600 84,764	37,822 3,222	^r 25,794 8,152	227,710 83,898
COUNTIES1											
Cocmino. Gila. Maricopa. Navajo.	33 18 967 43	8 7 228 9	1,053 1,394 41,127 992	5,499 8,333 254,497 5,162	875 1,175 26,254 844	1,931 2,283 52,993 1,645	4,540 6,425 144,334 4,195	9,085 24,254 423,600 11,678	1,156 946 37,822 1,477	1,037 1,009 1,794 599	4,671 5,288 227,710 3,701
Pima. Pinal Yavapai Yuma.	240 41 39 33	47 6 7 7	8,283 741 528 453	50,844 4,364 2,436 2,134	5,978 634 441 341	11,449 1,388 875 682	34,615 3,134 1,999 1,323	84,764 19,070 7,201 5,365	3,222 582 555 (Z)	8,152 440 565 367	83,898 3,782 3,007 3,410

Table 3. —GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

-												
						196	3				19	58
Code	Industry group		shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new1 (\$1,000)	ees, number	manufac- ture (\$1,000)
	All industries, total ²	1,512	334	57,339	349,124	38,687	77,855	212,187	617,413	49,154	^r 40,563	^r 360,173
20 201 202 203 204 208 209	Food and kindred products. Meat products. Dairies. Canned and frozen foods. Grain mill products. Beverages. Miscellaneous foods and kindred products.	27	75 8 15 4 3 16	6,527 804 1,740 277 481 950	34,198 4,814 9,057 1,144 2,640 5,332 4,881	3,571 638 1,716 225 272 390	7,749 1,402 1,438 469 714 879	17,257 3,802 3,709 853 1,213 1,830	76,196 8,184 16,215 2,081 8,487 11,754	6,922 (Z) 1,053 (Z) 1,611 2,058	5,660 746 1,309 227 443 705	56,955 6,544 17,333 527 3,708 7,390
23 233	Apparel and related products Women's and misses' outerwear.	75 17	19	2,650 463	8,378 1,331	2,350 425	4,213 728	6,513 1,090	12,499 1,790	(Z) (Z)	1,682 563	7,432 2,307
24 241 243	Lumber and wood products Logging eamps and contractors. Millwork and related products.	129 41 49	29 4 9	3,136 316 638	14,926 1,080 3,267	2,707 260 524	5,481 504 996	12,433 957 2,583	24,295 1,845 5,237	2,607 501 (Z)	2,831 136 521	15,378 907 3,490
25 251	Furniture and fixtures Household furniture	77 51	16 9	945 640	4,177 2,539	710 508	1,409 998	3,211 1,878	6,953 4,430	(Z) (Z)	696 456	4,109 2,714
27 271 275	Printing and publishing Newspapers Commercial printing	252 59 125	32 15 8	4,122 2,631 943	21,295 13,109 5,424	2,224 1,130 734	4,294 2,122 1,504	12,449 6,642 4,031	44,412 30,823 8,961	1,696 923 509	2,877 1,944 546	26,057 19,084 3,784
28	Chemicals and allied products	61	11	898	5,652	499	1,050	2,496	14,915	2,072	701	8,774
32 327	Stone, clay and glass products Concrete and plaster products.	148 103	33 26	3,232 2,503	18,149 13,965	2,416 1,831	4,738 3,563	12,886 9,667	44,392 31,010	4,208 3,441	2,096 1,561	25,013 17,550
33	Primary metal industries	29	13	4,484	29,462	3,774	7,534	22,454	94,026	4,330	4,976	41,317
34 344 347	Fabricated metal products Structural metal products Metal services, n.e.c		22 15 5	2,547 2,047 269	13,577 11,170 1,443	1,937 1,525 220	3,735 2,933 395	9,721 7,900 1,117	22,896 18,778 2,065	891 550 (Z)	1,720 1,464 164	12,700 11,068 930

See footnotes at end of table.

⁽Z) Less than \$500 thousand. Revised.

1 Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

2 Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

3 Includes expenditures for both plants in operation and for plants under construction but not in operation.

4 The Phoenix Standard Metropolitan Statistical Area is coextensive with Plna County, Ariz.

5 The Tucson Standard Metropolitan Statistical Area is coextensive with Plna County, Ariz.

1963 CENSUS OF MANUFACTURES

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958—Continued

(See text for explanation of column captions)

_												
						196	3				1958	
Code	Industry group		shments, ber	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
Jode	industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	manufac- itures ture newl	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
35 354 358 359	Machinery, except electrical Metalworking machinery Service industry machines Miscellaneous machinery		27 3 4 13	5,869 234 1,300 1,021	38,049 1,433 7,415 5,885	3,023 194 971 850	5,855 385 1,730 1,788	15,988 1,132 5,254 4,653	51,680 2,288 14,155 8,377	3,550 (2) (2) 507	r _{2,711} 366 1,097 515	18,913 3,495 7,577 4,105
36	Electrical machinery	52	14	9,123	55,877	5,743	11,769	28,727	86,533	16,648	2,362	19,907
38	Instruments and related products	18	5	1,540	12,233	697	1,819	4,478	27,430	819	400	5,088
	Administrative and auxiliary3	-	-	593	5,082	-	-	-	-	-	281	-

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

						196	3				19	58
Code		Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital	All employ-	Value added by
Code	Industry group	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures, new1	ees, number	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
					(See foot	notes at er	PHOENIX S	MSA 2 for SMSA d	escription)			
	All industries, total ²	967	228	41,127	254,497	26,254	52,993	144,334	423,600	37,822	r _{25,794}	227,710
20	Food and kindred products	131	51	5,076	27,394	2,768	6,014	14,012	59,181	5,052	4,345	43,222
201 202	Meat products	15 23	6 11	686 1.414	4,296 7,517	545 581	1,202 1,169	3,383 3,054	6,900 13.856	(Z) 828	681 1,074	5,776 12,886
205	Bakery products Miscellaneous foods and	24	6	958	5,042	451	912	2,224	11,430	560	838	8,899
	kindred products	31	10	764	3,665	522	1,162	2,267	11,602	953	733	6,204
23	Apparel and related products	51	11	2,085	6,813	1,835	3,307	. 5,202	10,417	(Z)	1,325	5,602
25	Furniture and fixtures	58	15	830	3,738	613	1,224	2,853	6,134	(Z)	612	3,726
27	Printing and publishing	161	24	2,803	15,410	1,550	3,009	8,631	30,162	1,149	1,898	18,033
32	Stone, clay and glass products.	68	18	1,919	11,352	1,385	2,683	7,649	24,542	2,380	1,198	13,952
327	Concrete and plaster products	47	16	1,672	10,068	1,201	2,321	6,794	22,335	2,231	1,013	12,784
34 344	Fabricated metal products Structural metal products	89 46	18 12	1,930 1,505	10,872 8,857	1,380 1,025	2,638 1,933	7,342 5,853	19,034 15,182	590 (Z)	1,406 1,176	11,119 9,647
35 358	Machinery, except electrical Service industry machines	114	24 4	5,654 1,296	36,950 7,402	2,847 968	5,480 1,724	15,140 5,245	49,772 14,126	3,437 (Z)	r _{2,577}	17,746 7,577
	Administrative and auxiliary ³	-	-	475	4,045	-	-	-	-	-	231	-

rRevised. (Z) Less than \$500 thousand.

⁻ Represents zero. n.e.c. Not elsewhere classified. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand. Revised.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

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PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

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U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

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1963 CENSUS OF **MANUFACTURES**



Area series

ARKANSAS

preliminary report

Value added by manufacturing in 1963 in the State of Arkansas amounted to \$959 million, an increase of 62 percent from 1958. Of this total. \$150 million was contributed by the food and kindred products industries and \$120 million by the lumber and wood products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. For 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1. -- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments, ber	All employees1		Pr	oduction worke	rs	Value	Capital	Index of change (1958 = 100)	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963 1958	2,838 2,571	843 666	113,694 88,655	437,942 292,731	95,794 74,429	192,315 144,699	332,568 220,862	95 8,687 591,745	72,210 48,227	128 100	162 100

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)
Includes expenditures for both plants in operation and for plants under construction but not in operation.

September 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS, A. Ross Eckler, Director



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically significant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours. --This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages.--This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture.--This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.-This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

ARKANSAS

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

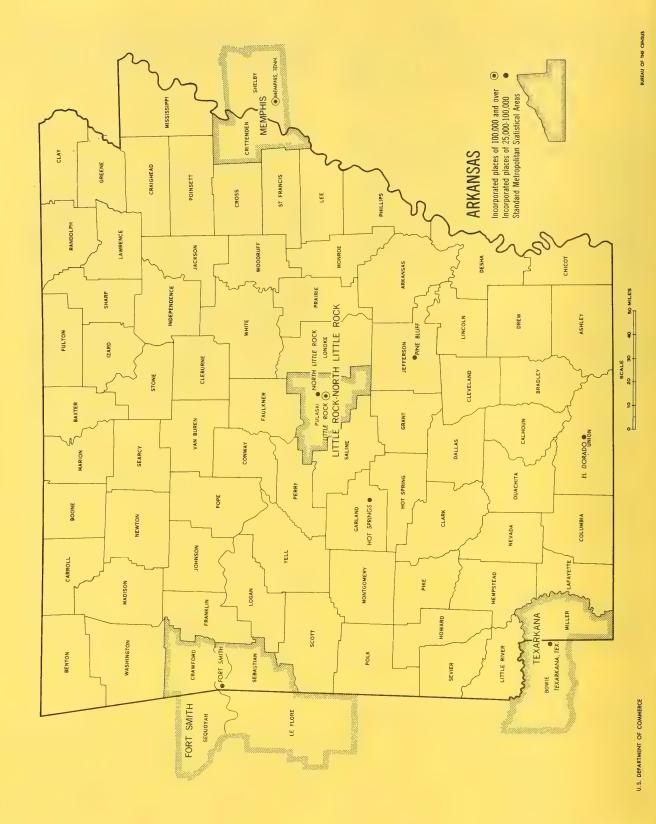
The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



ARKANSAS

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958 (See text for explanation of column captions)

	1	*									
					196	3		ı		19	58
State, standard metropolitan statistical areas,		shments,	All emp	loyees ²	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
and counties ⁴	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ³ (\$1,000)	ees, number ²	manufac- ture (\$1,000)
							(41)0007				
ARKANSAS, TOTAL	2,838	843	113,694	-37,9-2	95,794	192,315	332,568	958,687	72,210	88,655	591,745
STANDARD METROPOLITAN STATISTICAL AREAS											
Fort Smith ⁴ Portion in Arkansas Portion in Oklahoma	232 195 37	90 85 5	12,109 11,695 414	46,896 45,775 1,121	10,068 9,721 347	19,348 18,682 666	34,226 33,328 898	94,231 91,090 3,141	4,533 4,345 (Z)	9,710 9,008 702	60,392 57,216 3,176
Little Rock-North Little Rock ⁵ Memphis ⁶ Portion in Arkansas. Portion in Tennessee	319 789 31 758	127 339 14 325	17,020 47,434 938 46,496	70,316 239,897 3,086 236,811	13,032 34,284 80- 33,480	26,208 69,750 1,756 67,994	46,994 153,422 2,441 150,981	149,157 568,804 7,159 561,645	7,599 28,089 (Z) 27,833	13,415 41,850 622 41,228	102,852 396,948 3,296 393,652
Pine Bluff ⁷ Texarkana ⁸	74 91	29 29	5,004 5,647	24,009 25,875	4,147	8,745 8,9 69	18,101 20,087	74,016	4,433 793	3,927 3,034	29,733 18,540
Portion in Texas	65	24	5,399	24,918	4,633 4,433	8,541	19,398	44,240 42,522	664	2,727	16,504
Portion in Arkansas	26		248	957	200	428	689	1,718	(Z)	307	2,036
Arkansas	33 53	14 19	1,612 3,178	6,083	1,268 2,778	2,794	4,289	13,396	1,127 12,822	840 2,801	6,726 24,950
Benton	93 30	36	3,567	14,588	3,027	5,520 5,983	11,695 9,567	37,364 27,855	1,991	2,466	16,530
Boone	48	12 12	1,219 1,788	4,251 6,948	1,000 1,619	1,931 3,876	3,108 6,144	6,924 14,258	(Z) 665	1,738	3,066 6,867
Chicot	21 70	8 12	641 1,729	1,953 7,120	592 1,544	1,163 3,025	1,742 5,996	3,413 12,465	(Z) 1,191	292 1,707	1,114 14,337
Clay	24 14	3	7+5 284	1,959 714	704 257	1,200	1,797 598	3,761 1,502	(Z)	448	2,088
Columbia	67	19	1,547	5,794	1,284	2,752	4,274	11,845	1,349	1,431	7,008
ConwayCraighead	23 58	23	1,119 3,145	3,374 12,225	1,004 2,539	1,868 5,164	2,807 8,944	4,615 26,758	(Z) 1,194	917 2,250	3,709 17,927
CrawfordCrittenden	23 31	8	734 938	2,190 3,086	680 804	1,189 1,756	1,796 2,441	4,046 7,159	(Z) (Z)	868 622	3,705 3,296
Cross	13	4	557	1,685	500	993	1,361	2,667	(Z)	208	1,176
Dallas	53 36	8	1,172 1,028	3,586 3,190	1,084 856	2,054 1,712	2,903 2,435	5,424 6,470	2,009 1,266	1,043 940	3,630 5,024
FaulknerFranklin	34 17	13	1,806 290	6,796 704	1,524 252	3,013 396	5,062 549	12,915 1,498	(Z) (Z)	1,186 129	7,492 819
Garland	73	14	2,327	9,203	1,866	4,010	6,048	16,950	616	1,557	7,926
Grant	45 25	7	699 1,464	2,134 4,851	638 1,256	1,276 2,459	1,864 3,864	2,969 11,054	(Z) 761	832 1,350	3,002 7,991
Hempstead	35 57	11	941 2,240	3,109 11,839	826 1,933	1,680 3,912	2,508 9,474	5,287 24,415	(Z) 956	1,172 2,400	5,160 25,816
Howard Independence	25 54	11	1,395 1,502	5,404 4,896	1,262	2,835	4,645 3,818	9,670	571 672	1,138	9,238 5,881
JacksonJefferson	23 74	10	1,083	4,225	922 4,147	1,840 8,745	3,368	8,139	(Z) 4,433	811	6,113 29,733
Johnson	31.	9	5,004 675	24,009 1,950	576	1,094	1,444	74,016 3,044	(Z)	554	2,629
Lafayette	15 26	4	337 468	1,123 1,457	291 416	609 760	936 1,209	2,296 2,596	(Z) (Z)	327 565	1,617 2,011
LeeLittle River	9 23	1 3	277 338	1,073 1,422	258 211	544 420	946 822	2,323 5,810	(Z) (D)	153 185	459 662
LoganMississippi	23 56	7 27	581 3,759	1,819 12,977	525 3,108	1,014 6,141	1,509 9,604	5,805 22,672	(Z) 1,631	382 1,933	2,431 10,317
Monroe	17	6	991	3,037	934	1,911	2,712	7,677	(Z)	477	2,585
Montgomery Nevada	25 26	6 4	360 434	874 1,309	341 382	592 770	822 1,052	1,665 2,543	(Z) (Z)	264 323	703 1,600
OuachitaPhillips	111 31	25 12	3,500 2,429	16,293 10,122	2,936 2,125	5,942 4,502	13,047 8,197	31,724 23,514	4,917 851	3,194 2,154	27,597 14,124
Pike	39	4	486	1,361	459	914	1,237	2,643	(Z)	356	1,291
Pope	33 56	11 14	937 1,871	2,316 5,856	889 1,610	1,645 3,312	2,071 4,598	3,423 12,729	(Z) (Z)	1,118 1,252	2,830 6,230
Prairie Pulaski	13 319	127	279 17,020	723 70,316	247 13,032	475 26,208	662 46,994	2,007 149,157	(Z) 7,599	122 13,415	234 102,852
Randolph	20 26	4 9	639 1,270	1,750 4,276	614 1,052	1,095 2,093	1,645 3,169	4,768 9,859	(Z) 598	633 743	·2,867 4,432
Saline	31 14	9 7	3,322 674	17,474 1,865	2,761	5,519 1,016	13,341	44,632 5,472	1,435 (Z)	3,045 387	33,969 1,390
Sebastian	172	77	10,961	43,585	9,041	17,493	31,532	87,044	4,184	8,140	53,511
Union	99 8 5	30 33	4,067 4,379	21,949 15,429	3,235 3,721	6,874 7,370	16,112 11,827	59,764 42,253	5,366 3,401	4,038 3,014	40,597 15,780
WhiteYell	54 20	10 7	1,568 479	5,116 1,269	1,373	2,669 872	4,090 1,175	14,716 1,822	862 (Z)	992 581	5,642 3,195
				.,		- 12	-,		(2)		-,

⁽D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand.

Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and suitlary units. (For a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The Fort Smith Standard Metropolitan Statistical Area consists of Crawford and Sebastian Counties, Ark., and Leflore and Sequoyah Counties, Okla.

The Little Rock-North Little Rock Standard Metropolitan Statistical Area consists of Shelby County, Tennessee and Crittenden County, Ark.

The Pine Bluff Standard Metropolitan Statistical Area consists of Bowie County, Ark.

The Texarkana Standard Metropolitan Statistical Area consists of Bowie County, Texas and Miller County, Arkansas.

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

						196	3				19	58
Code	Industry group	Establi num	shments,	All emp	loyees	Pro	oduction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new1 (\$1,000)	ees, number	manufac- ture (\$1,000)
	All industries, total ²	2,838	843	113,694	437,942	95,794	192,315	332,568	958,687	72,210	88,655	591,745
20 201 202 203 204 208 209	Food and kindred products	452 95 48 32 67 77	191 42 22 19 29 32	17,821 6,212 1,417 2,847 2,112 1,770	63,295 18,072 6,691 8,479 8,161 6,973	13,172 5,611 657 2,629 1,406 664	26,691 11,015 1,407 4,697 3,221 1,420	39,675 15,113 2,778 6,919 4,744 1,968	149,642 32,585 17,136 18,945 30,278 15,915	11,120 2,982 1,206 1,299 1,201 1,986	15,119 4,093 1,595 3,078 1,431 1,549	101,022 20,790 15,653 10,611 17,849 10,831
22	kindred products Textile mill products	91 20	30 15	1,821 2,290	6,907 8,415	1,273 2,070	2,987 4,230	4,463 7,044	18,931 17,483	1,616 2,172	1,620 2,081	10,743 10,985
23	Apparel and related products	70	51	10,661	27,889	10,018	18,239	24,304	43,998	792	7,715	24,454
232	Men's and boys' furnishings	29	27	5,705	14,458	5,494	9,860	12,912	22,574	(Z)	5,277	16,795
233	Women's and misses' outerwear.	17	14	3,260	9,318	2,887	5,269	7,573	12,748	(Z)	1,777	5,569
24	Lumber and wood products Logging camps and contractors. Sawmills and planing mills Millwork and related products. Wooden containers Miscellaneous wood products.	1,198	216	21,311	66,332	19,314	40,404	57,211	119,687	11,151	21,260	78,603
241		553	34	3,763	10,032	3,373	6,690	8,621	26,074	3,326	2,335	6,798
242		555	132	13,170	41,994	11,982	25,485	36,550	68,132	5,005	14,748	54,041
243		35	16	1,122	3,696	985	2,135	3,095	6,603	2,007	1,120	4,774
244		18	10	1,376	4,482	1,264	2,655	3,793	7,341	(Z)	1,334	5,765
249		57	24	1,880	6,128	1,710	3,439	5,152	11,537	610	1,723	7,225
25	Furniture and fixtures	115	56	8,167	28,854	6,979	14,057	21,727	47,244	1,426	6,876	31,123
251	Household furniture	86	44	7,048	24,449	6,172	12,405	19,012	39,488	1,058	6,155	27,071
253	Public building furniture	13	8	863	3,423	633	1,319	2,184	6,086	(Z)	572	3,337
26 265	Paper and allied products Paperboard containers and	33	23	7,152	40,007	6,013	12,139	31,714	118,164	20,190	5,190	65,565
27	boxes	11	8	1,407	6,935	1,130	2,284	4,960	21,705	749	1,160	14,243
271 275	Printing and publishing Newspapers Commercial printing	241 115 89	38 17 12	3,802 2,020 1,010	17,084 8,264 5,018	2,496 1,176 730	5,039 2,363 1,476	10,708 4,764 3,331	31,051 15,098 7,995	2,312 1,495 (Z)	2,981 1,684 784	20,368 11,654 5,076
28	Chemicals and allied products Basic chemicals Agricultural chemicals	48	15	.3,310	21,744	2,595	5,170	15,877	69,779	5,005	3,229	49,411
281		11	5	2,575	18,452	2,028	4,054	13,770	58,320	4,265	2,430	41,649
287		11	5	316	1,351	241	478	818	3,336	(Z)	371	2,788
29	Petroleum and coal products Petroleum refining	20	10	1,453	9,441	1,121	2,395	6,780	25,596	958	1,582	18,777
291		9	6	1,006	7,463	768	1,564	5,463	20,567	841	1,154	15,622
31	Leather and leather products Footwear, except rubber	24	21	6,510	19,679	6,129	11,546	17,193	35,995	(Z)	3,947	20,663
314		18	18	6,151	18,445	5,806	10,931	16,289	33,768	(Z)	3,768	20,042
32	Stone, clay and glass products	147	39	4,022	18,743	3,276	6,770	14,432	46,865	4,645	3,377	31,238
327	Concrete and plaster products.	108	19	1,516	6,440	1,213	2,715	5,062	14,624	1,903	1,088	9,150
33	Primary metal industries	28	19	3,121	18,543	2,602	5,382	14,363	37,665	2,598	2,450	36,297
336	Nonferrous foundries	9		1,057	5,186	866	1,758	3,915	11,515	1,239	302	3,067
34	Fabricated metal products	123	42	4,187	17,210	3,438	7,222	12,724	34,419	1,846	2,709	19,377
342	Cutlery, hand tools, hardware.	15	8	774	2,991	573	1,202	1,844	5,976	(Z)	636	4,348
344	Structural metal products	69	16	1,442	5,974	1,120	2,391	4,208	11,318	761	875	6,384
35	Machinery, except electrical General industrial machinery Service industry machines Miscellaneous machinery	135	37	3,075	13,648	2,462	5,000	9,743	35,526	1,370	1,279	11,172
356		11	4	342	1,579	247	469	898	3,713	(Z)	237	2,822
358		11	7	790	3,340	645	1,320	2,406	9,476	(Z)	122	682
359		59	5	355	1,664	298	642	1,346	2,752	(Z)	311	2,429
36	Electrical machinery Electric industrial apparatus.	35	21	7,599	29,216	6,580	12,948	22,636	72,655	3,451	2,914	29,214
362		11	8	2,640	10,078	2,413	4,822	8,497	27,480	1,074	1,124	12,331
37	Transportation equipment Motor vehicles and equipment	50	19	2,146	8,729	1,852	3,625	6,647	15,714	848	1,076	6,092
371		23	6	682	2,692	605	1,229	2,086	6,219	(Z)	337	1,487
39 394 398	Miscellaneous manufacturing, including ordnance ³	67 18	17 6	3,027 1,861	11,366 7,303	2,592 1,566	5,340 3,288	8,552 5,350	23,647 15,008	576 (Z)	1,810 1,302	12,023 9,477
399 190	Miscellaneous manufactures ³	41	9	567	1,993	472	993	1,436	3,862	(Z)	427	2,253
	Administrative and auxiliary4	-		548	3,686	- 1	-	-	-	-	756	-

Represents zero. (2) Less than \$500 thousand.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The Hall industries, total" includes figures for industry groups which have been withheld from publication in order to (a) to avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishment and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.



U.S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

POSTAGE AND FEES PAID

U.S. DEPARTMENT OF COMMERCE







Area series CALIFORNIA

preliminary report

Value added by manufacturing in 1963 in the State of California amounted to \$17,157 million, an increase of 8 percent from 1962 and 42 percent from 1958. Of this total, \$2,742 million was contributed by the transportation equipment industries and \$2,452 million by the food and kindred products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments, ber	All employees1		Pr	roduction works	rs	Value	Capital	Index of change (1958 = 100)	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963 1962 ⁸ 1961 ⁹ 1960 ⁸ 1959 ⁹ 1958.	31,709 (NA) (NA) (NA) (NA) 28,322	8,846 (NA) (NA) (NA) (NA) 7,858	1,394,492 1,359,085 1,302,283 1,305,444 1,294,223 1,216,423	9,564,610 8,975,975 8,196,344 7,967,796 7,661,597 6,869,288	903,547 886,770 857,506 869,418 884,351 838,671	1,813,079 1,791,079 1,709,453 1,734,283 1,757,431 1,656,699	5,219,500 5,010,948 4,632,307 4,564,158 4,494,809 4,107,169	17,157,242 15,868,371 14,243,531 14,174,350 13,501,399 12,047,983	955,769 912,175 740,837 769,520 718,464 753,425	11.5 11.2 107 107 106 100	142 132 118 118 112 100

(MA) Not available. Revised.

*Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

*Includes expenditures for both plants in operation and for plants under construction but not in operation.

*The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

August 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS, A. Ross Eckler, Director



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number.—This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

<u>Production workers</u>, wages.--This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. -- This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more popula-tion) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD RETROPOLITAN STATISTICAL AREAS, AND DURNIEG: 1963 AND 1958

			(See text	for explana	tion of cor	umn caption	s <i>)</i>				
					196	3				19	58
State, standard metropolitan statistical areas,		shments,	All emp	loyees ²	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
and counties1	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new 3 (\$1,000)	ees, number ²	manufac- ture (\$1,000)
CALIFORNIA, TOTAL	31,709	8,846	1,394,492	9,564,610	903,547	1,813,009	5,219,500	17,157,242	955,769	T1,216,423	12,047,983
STANDARD METROPOLITAN STATISTICAL AREAS								1			
Anaheim-Santa Ana-Garden Grove ⁴ Bakersfield ⁵ . Fresno ⁶ . Los Angeles-Long Beach ⁷ . Sacramento ⁸ . San Bernardino-Riverside-Ontario ⁹ . San Diego ¹⁰ . San Francisco-Cakland ¹¹ . San Jose ¹² . Santa Barbara ¹³ . Stockton ¹⁴ . Vallejo-Napa ¹⁵ .	1,426 274 527 17,434 547 966 911 4,749 1,070 211 346 140	381 63 143 5,072 140 223 189 1,312 327 53 118 14	94,574 5,850 14,293 742,610 35,459 38,338 60,058 194,084 98,465 7,383 13,730 4,489	670,646 37,584 74,919 5,067,300 272,768 244,040 451,568 1,359,179 765,877 47,620 80,335 26,239	53,878 4,273 10,646 495,926 19,130 28,219 30,012 126,861 48,789 3,648 10,762 3,129	109,232 8,851 20,432 999,977 40,017 57,125 58,403 245,084 97,086 6,894 20,445 5,912	321,379 25,289 50,092 2,855,207 123,681 161,863 185,777 770,671 289,799 18,369 57,809 16,043	1,198,321 81,783 182,388 8,905,836 532,304 506,972 711,758 2,566,720 1,203,786 64,165 216,983 45,427	68,559 14,092 19,791 378,902 41,342 44,925 14,332 190,215 65,696 6,265 12,740 3,086	31,770 15,514 12,505 1697,142 23,948 29,216 71,383 189,700 53,921 3,949 12,667 4,485	315,305 59,833 131,055 6,729,381 290,066 319,642 605,526 2,049,371 631,557 31,371 147,680 45,529
COUNT IES ¹											
Alameda.	1,704	528	72,449	504,862	52,082	101,211	312,975	1,022,973	86,112	71,781	809,690
Amador.	20	7	778	4,570	695	1,373	3,900	7,664	516	758	6,898
Butte.	116	29	2,754	14,609	2,198	4,152	10,892	28,683	1,366	3,047	21,475
Calaveras.	22	6	948	5,380	788	1,551	4,195	13,164	765	1,174	12,906
Contra Costa.	365	121	29,241	207,443	19,791	39,052	131,049	546,284	61,046	27,143	404,262
Del Norte	72	19	1,938	11,342	1,739	3,590	10,169	19,109	2,269	2,179	21,674
El Dorado,	65	9	978	5,566	803	1,637	4,363	9,615	1,054	1,346	10,817
Fresso	527	143	14,293	74,919	10,646	20,432	50,092	182,388	19,791	12,505	131,055
Glenn,	28	5	474	2,774	390	765	2,182	6,525	(Z)	467	3,164
Humboldt	371	88	11,094	64,356	9,589	18,588	52,721	113,553	9,936	11,889	99,091
Imperial	56	14	1,438	7,703	1,107	2,340	5,761	26,027	922	1,043	13,686
Kern.	274	63	5,850	37,584	4,273	8,851	25,289	81,783	14,092	r5,514	59,833
Kings	48	17	1,324	7,380	763	1,530	4,167	17,178	4,333	1,216	13,298
Lassen	28	8	707	3,100	615	1,069	2,651	5,526	(Z)	736	6,229
Los Angeles.	17,434	5,072	742,610	5,067,300	495,926	999,977	2,853,207	8,905,836	378,902	r697,142	6,729,381
Madera	53	14	1,097	5,760	872	1,719	4,396	16,621	1,874	863	7,628
Merin,	151	19	1,933	12,274	1,350	2,608	7,908	23,593	1,075	1,730	18,225
Mendocino,	181	47	4,603	24,680	4,063	8,265	21,380	45,183	4,461	5,130	42,516
Merced,	83	22	1,954	9,404	1,556	2,929	7,060	24,313	901	1,874	17,748
Modoc.	17	4	315	1,556	285	564	1,414	3,835	(Z)	505	2,390
Monterey	172	47	5,4%	27,414	4,275	7,995	18,651	70,793	5,520	4,236	44,318
Napa	76	22	2,458	14,081	1,689	3,216	8,702	21,342	1,596	2,672	24,337
Nevada	50	12	582	2,862	511	975	2,440	6,870	516	659	4,534
Orange	1,426	381	94,574	670,646	53,878	109,232	321,379	1,198,321	68,559	31,770	315,305
Placer	59	10	1,428	8,417	1,263	2,634	7,170	15,862	571	1,305	12,368
Plumas.	49	16	1,268	7,084	1,150	2,268	6,037	12,362	1,404	1,366	13,073
Riverside.	356	82	13,883	80,079	10,082	20,809	53,257	169,812	16,393	11,826	98,813
Sacramento.	411	108	31,719	250,333	16,093	33,889	106,388	470,626	34,909	20,610	246,901
San Benito.	18	7	702	5,104	499	932	3,390	7,886	(Z)	807	8,803
San Bernardino.	610	141	24,455	163,961	18,137	36,316	108,606	337,160	28,532	17,390	220,829
San Diego	911	189	60,058	451,568	30,012	58,403	185,777	711,758	14,332	71,383	605,526
San Francisco	1,800	457	50,261	321,725	35,632	66,592	207,627	607,667	24,005	55,730	576,273
San Joaquin	346	118	13,730	80,335	10,762	20,445	57,809	216,983	12,740	12,667	147,680
San Luis Obispo	68	7	865	4,703	542	1,085	2,692	8,837	685	830	9,205
San Mateo	728	186	29,754	214,435	18,006	35,621	111,112	366,203	17,977	24,299	240,921
Santa Barbara	211	53	7,383	47,620	3,648	6,894	18,369	64,165	6,265	3,949	31,371
Santa Clara	1,070	327	98,465	765,877	48,789	97,086	289,799	1,203,786	65,696	53,921	631,557
Santa Cruz	166	40	5,424	23,853	4,493	7,485	18,044	55,659	3,074	3,387	30,756
Shasta	136	32	3,590	21,265	2,987	5,886	17,098	32,387	12,338	3,301	26,071
Siskiyou	96	30	2,566	12,841	2,274	4,111	11,154	23,066	2,034	3,003	18,431

See footnotes at end of table.

1963 CENSUS OF MANUFACTURES

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958—Continued

- 1	(500	tovt	for	avalana	tion	of	a o l umn	captions

					196	3				19	58
State, standard metropolitan	Establi num	shments, ber	All emp	loyees ²	Pro	duction wor	kers	Value	Capital	All employ-	Value added by
statistical areas, and counties ¹	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	ees, number ²	manufac- ture (\$1,000)
COUNTIES1 —Continued											
Solano. Sonoma. Stanislaus Sutter Tehama.	64 316 229 46 62	19 65 73 10 17	2,031 5,166 10,487 1,144 2,394	12,158 28,193 56,864 5,199 14,064	1,440 3,956 8,464 974 2,085	2,698 7,559 16,493 1,740 4,172	7,341 19,830 41,160 4,224 11,697	24,085 59,937 127,728 10,317 23,702	1,490 3,794 12,754 1,146 2,208	1,813 5,316 9,220 764 1,816	21,192 48,754 82,685 4,865 15,987
Trinity. Tulare. Ventura. Yolo. Yuba.		10 51 50 22 13	844 4,352 7,381 2,312 881	4,419 22,319 49,825 14,018 4,466	774 3,366 4,296 1,774 722	1,467 6,640 8,562 3,494 1,355	3,932 15,170 23,290 10,123 3,484	9,037 49,354 76,593 45,816 9,323	1,069 3,825 14,123 5,862 509	831 3,014 6,708 2,033 708	6,948 24,879 55,505 30,797 5,689

(Z)) Less than \$500 thousand. rRevised.

(Z)) Less than \$500 thousand. TRevised.

*Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

*Includes employment and payroll at central administrative offices and auxiliary units, (For a definition of these units see text.)

*Includes expenditures for both plants in operation and for plants under construction but not in operation.

*The Anaheim-Sarta Ana-Garden Grove Standard Metropolitan Statistical Area is coextensive with Kern County, Calif.

*The Bakersfield Standard Metropolitan Statistical Area is coextensive with Kern County, Calif.

*The Los Angeles-Long Beach Standard Metropolitan Statistical Area is coextensive with Los Angeles County, Calif.

*The Los Angeles-Long Beach Standard Metropolitan Statistical Area is coextensive with Los Angeles County, Calif.

*The Sar Bernardino-Riverside-Ontario Standard Metropolitan Statistical Area consists of Riverside and San Bernardino Counties, Calif.

*The San Diego Standard Metropolitan Statistical Area is coextensive with San Diego County, Calif.

*The San Francisco-Oakland Standard Metropolitan Statistical Area consists of Alameda, Contra Costa, Marin, San Francisco, and San Mateo Counties, Calif.

*The San Jose Standard Metropolitan Statistical Area is coextensive with Santa Clara County, Calif.

*The Stockton Standard Metropolitan Statistical Area is coextensive with San Joaquin County, Calif.

*The Vallejo-Napa Standard Metropolitan Statistical Area consists of Solano and Napa Counties, Calif.

REVISIONS TO ANNUAL SURVEY OF MANUFACTURES VOLUMES

	Los Ang	geles and Or	ange Counti	es: 1960 T	0 1962							
	All emp	loyees 1	Pro	duction wor	kers	Value	Capital					
Counties	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new (\$1,000)					
				As publishe	d							
Los Angeles												
1960. 1961. 1962.	720,447 708,258 749,381	4,364,493 4,450,424 4,985,445	489,928 479,798 508,382	980,051 961,577 1,034,070	2,533,318 2,551,021 2,835,284	7,819,461 7,750,515 8,727,173	357,456 327,705 375,072					
		As revised										
1960	734,150 712,894 745,027	4,470,357 4,482,621 4,942,257	489,006 475,139 500,530	978,096 951,833 1,017,710	2,528,198 2,524,640 2,789,649.	7,803,247 7,637,231 8,487,468	357,456 309,582 363,522					
				As publishe	đ							
Orange 1960 1961 1962	41,188 45,245 52,108	246,401 288,099 341,367	29,063 31,832 36,482	59,162 65,744 76,067	152,652 176,444 205,882	450,717 515,763 636,781	29,959 38,646 33,980					
	As revised											
1960	43,686 56,810 72,663	266,553 381,918 510,571	29,985 36,491 44,334	61,117 75,488 92,427	157,772 202,825 251,517	466,931 629,047 876,486	29,959 56,769 45,530					

¹The revised employment and payroll figures for Los Angeles and Orange Counties include the employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELFCTED INDUSTRY GROUPS: 1963 AND 1954

(See text for explanation of column captions)

_					· · · · · · · · · · · · · · · · · · ·	196	3				1958	
		Establi num	shments,	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
	All industries, total ²	31,709	8,846	1,394,492	9,564,610	903,547	1,813,079	5,219,500	17,157,242	955,769	r _{1,216,423}	12,047,983
20 201 202 203 204 207 208 209	Food and kindred products Meat products Dairies. Canned and frozen foods Grain mill products. Cendy and related products. Beverages. Miscellameous foods and	3,067 335 429 577 252 142 405	1,204 149 174 300 32 50 148	156,779 16,093 19,128 51,555 6,891 4,982 15,344	932,047 105,103 130,058 242,003 45,254 23,852 102,568	109,654 12,371 8,276 44,946 4,443 4,045 8,566	210,773 25,035 18,922 80,365 9,641 8,431 16,904	566,877 73,658 53,247 190,270 26,435 16,112 52,974	2,452,211 195,207 284,284 665,788 175,576 65,801 355,956	141,994 13,624 13,946 43,699 6,179 4,943 20,064	157,709 16,765 20,436 51,206 7,031 5,197 15,951	1,906,895 157,566 241,988 520,509 129,644 43,451 294,778
22	kindred products Textile mill products	535 264	143	14,659 6,950	93,618	9,652 5,678	19,128	54,092 24,213	324,316 79,184	23,761	13,970 5,401	219,519 46,162
227 229	Floor covering mills	54 69	22	1,728 2,409	8,426 13,990	1,366 1,887	2,703	5,592 9,413	22,528 31,970	897 1,342	1,056 2,043	8,280 23,557
23 231	Appearel and related products Men's and boys' suits and	2,489	867	63,281	238,469	55,081	100,275	182,972	426,337	7,135	56,934	331,118
232 233 234	coats Men's and boys' furnishings Women's and misses' outerwear Women's and children's	63 229 1,106	24 98 498	3,301 8,748 31,973	14,131 30,127 121,900	3,014 7,721 27,691	5,649 14,202 48,974	11,502 23,733 92,476	22,905 55,622 214,978	(Z) 554 3,919	3,117 8,758 27,207	16,949 49,023 168,033
235 238 239	underwear Millinery, hats and caps Miscellaneous apparel Fabricated textiles, n.e.c	72 49 77 743	40 9 21 139	3,727 576 1,589 10,715	13,453 2,416 6,648 41,291	3,270 503 1,370 9,153	6,153 875 2,679 17,626	10,743 1,890 4,983 30,694	23,739 3,986 11,294 77,067	(Z) (Z) (Z) 1,829	3,986 678 1,844 8,389	19,660 4,160 10,898 48,144
24 243 244 249	Lumber and wood products Millwork and related products Wooden containers Miscellaneous wood products	2,346 730 130 310	558 168 28 64	52,434 14,822 2,882 5,488	293,595 89,481 15,488 26,241	45,902 12,615 2,539 4,618	100,239 24,828 5,084 8,751	244,579 71,183 12,851 20,024	511,509 149,095 21,292 49,362	42,774 6,592 3,251 3,533	51,569 12,021 3,171 4,431	400,992 94,888 22,053 32,666
25 251 254 259	Furniture and fixtures Household furniture Partitions and fixtures Furniture and fixtures,	1,576 997 328	428 304 69	32,681 23,446 5,063	182,914 125,516 34,169	26,368 19,337 3,835	51,491 37,545 7,675	134,491 93,451 24,687	316,032 218,981 55,820	8,227 5,753 1,513	27,489 20,225 3,690	215,143 155,535 32,402
26	Paper and allied products	128 483	22 262	1,459 28,865	8,185 178,785	1,084	2,170 46,510	5,819 128,683	14,406 367,727	(Z) 33,610	24,469	11,050 263,460
263 264 265	Paperboard mills Paper and paperboard products Paperboard containers and	19 238 208	16 110 124	2,633 10,580 14,488	18,004 62,819	22,761 2,174 8,290 11,350	4,572 16,817 23,105	14,343 44,144 63,654	367,727 52,544 136,596 158,434	2,396 12,547 9,354	2,481 8,157 12,279	36,261 82,026
27 271 272 273 274 275 276 277 278 279	boxes. Printing and publishing. Newspapers. Periodicals. Books. Miscellaneous publishing. Commercial printing. Mainfold business forms. Greeting card manufacturing. Bookbinding and related work. Printing trades services.	3,661 538 278 148 180 1,977 61 31 146 302	608 182 27 30 17 240 34 7 31	72,471 33,479 2,222 2,480 2,547 22,159 3,776 441 2,614 2,753	468,723 218,014 13,646 14,682 14,564 146,881 24,062 1,924 13,885 21,065	45,367 17,149 559 1,636 17,482 2,631 2,636 2,236 2,046	83,465 31,231 953 2,461 2,325 32,671 4,941 688 4,267 3,928	287,203 114,849 3,038 6,736 8,876 108,206 16,872 1,395 11,078 16,153	819,511 371,246 32,282 30,368 23,780 243,839 55,995 4,618 25,032 32,351	34,881 12,997 1,188 1,256 658 13,573 2,996 (z) 1,108 1,001	64,197 29,114 2,175 1,168 2,411 20,292 2,985 932 2,394 2,726	596,651 262,248 24,328 12,598 23,667 185,316 35,839 8,014 17,567 27,074
28 281 283 284 285 287 289	Chemicals and allied products. Basic chemicals. Drugs. Cleaning and toilet goods. Paints and allied goods. Agricultural chemicals. Miscellaneous chemical products.	1,308 167 137 293 252 118	357 78 34 64 72 28	36,499 8,441 3,762 8,129 6,774 2,387	244,781 62,372 22,703 52,738 46,148 14,013	21,482 5,402 1,855 4,933 3,685 1,356	43,257 10,872 3,669 9,995 7,559 2,569	126,761 36,627 8,392 27,819 22,507 6,564	813,948 211,860 46,138 237,429 123,576 42,193	56,139 33,584 1,771 2,389 4,487 1,330 2,398	32,588 7,740 3,424 6,998 5,713 2,406	596,735 169,239 45,608 146,980 85,531 29,923
29 291	Petroleum and coal products Petroleum refining	203 53	67 33	18,091 15,275	135,314	12,831 10,844	24,847	88,824 76,258	496,687 433,289	60,112	20,744 17,693	313,801 269,563
30 307	Rubber and plastics products, n.e.c Plastics products, n.e.c	762 588	273 152	29,547 14,372	171,683 74,584	22,972 11,615	46,363 23,606	117,785 50,987	337,006 149,059	23,781	23,810 8,400	248,361 72,179
31 311 319	Leather and leather products Leather tanning and finishing Leather goods, n.e.c	199 17 39	69 8 4	5,821 559 285	25,719 3,212 1,188	4,963 484 238	9 ,223 946 507	18,614 2,436 902	39,952 4,441 1,970	677 (Z)	5,786 674 357	37,157 5,528 2,563
32 323 324 325 326 327 328 329	Stone, clay and glass products. Products of purchased glass. Cement, hydraulic Structural clay products Pottery and related products. Concrete and plaster products. Cut stone and stone products. Nommetallic mineral products. see footnotes at end of table.	1,532 101 13 79 175 850 50	429 17 13 54 39 217 11 55	46,360 1,295 4,364 5,313 4,166 15,63. 665 7,316	269,419 7,285 30,489 29,948 19,609 101,736 3,432 48,727	34,771 980 3,484 4,259 3,608 10,127 531 5,165	70,648 1,979 7,052 8,607 6,764 20,647 1,050	202,658 5,027 22,651 21,691 15,770 62,836 2,579 31,455	658,674 17,897 93,590 60,843 32,749 231,315 4,970 113,217	56,842 387 13,539 3,873 1,104 20,270 (Z) 10,929	41,283 1,226 4,742 4,955 4,738 13,480 386 5,782	484,311 8,926 86,574 47,492 33,710 149,761 3,288 84,063

See footnotes at end of table.

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958—Continued

Trimary protection function Total Color							196	3				19	58
Total center with the property of the payroll Number (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,	Code	Industry group			All emp	loyees	Pro	duction wor.	kers				
Steel rolling and finishing. 70			Total	or more employ-	Number		Number			manufac- ture	itures, new1	ees,	ture
Steel rolling and finishing. 70	33	Primary metal industries	706	307	47,774	326.327	38.480	77.519	242.929	592:451	49.821	46,444	505.561
	331	Steel rolling and finishing	70	40	18,962	143,726	15,447	29,561	108,035	262,668	33.040	18,865	263,984
			110		7,292	43,459	6,234	12,520	34,582	72,535	2,239	7,688	59,924
## Prinary metal Industries 143					1,425	9,239		1,837				1,479	14,096
## 1.00 2.5,807 2.5,807 2.5,807 2.7,806 3.0,000 77,604 47,907 3.2,00 3.1,005 29,902 3.5,313 3.1,105 3.0,005 3.1,105 3.0,005 3.1,105 3.0,005 3.1,105 3.0,005 3.1,105 3.0,005 3.1,105 3.0,005 3.1,105 3.0,005 3.1,105 3.0,005 3.1,105 3.0,005 3.1,105 3.0,005 3.1,105 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005 3.0,005			254	07	0,501	20,202	5,450	رانع و شد	29,230	00,107	2,241	J, 341	30,201
Metal. cums			143	46	3,673	25,847	2,746	5,690	17,664	47,987	3,208	3,108	29,902
242 Outlery, hand tools, hardware 279 77 9,663 60,479 7,077 14,566 37,329 114,983 6,597 9,100 93,578 343 Plumbing and heating, except 1,150 351 29,603 199,005 21,771 42,868 127,788 321,022 13,204 90,839 900,326 346 Screen meshthe products 262 68 7,468 40,860 5,694 12,502 34,314 93,000 3,684 5,289 69,839 346 Stat stangings 224 73 5,207 11,201 4,218 8,477 22,324 33,003 2,225 5,537 35,691 347 Metal services, n.e.c. 693 128 8,677 7,662 7,129 15,729 30,628 78,231 3,914 7,268 55,577 348 Practicated with products, 209 59 3,902 22,246 3,200 6,222 15,851 37,923 2,153 4,205 32,970 349 Practicated with products, 209 59 3,902 22,246 3,200 6,222 15,851 37,923 2,153 4,205 32,970 351 Michinery, except electrical 4,596 772 92,644 644,650 61,548 125,354 373,952 1,078,390 51,202 78,665 767,748 352 Subschiery, except electrical 4,596 772 92,644 644,650 61,548 125,354 373,952 1,078,390 51,202 78,665 767,748 352 Subschiery, except electrical 4,596 772 92,644 644,650 61,548 125,354 373,952 1,078,390 51,202 78,665 767,748 353 Michinery, except electrical 4,596 772 79,404 644,650 61,548 125,354 373,592 1,078,390 51,202 78,665 767,748 354 Subschiery, except electrical 4,596 772 79,404 79,933 8,107 17,111 53,370 129,400 53,300 9,285 88,231 353 Michinery, except electrical 4,596 772 79,937 8,107 774,111 53,370 129,400 53,300 9,285 88,231 354 Subschiery, except electrical 4,596 772 79,937 8,107 774,111 53,370 129,400 53,300 9,285 88,231 355 Special industry sanchiery 770 120 10,440 79,933 8,107 17,111 53,370 20,790 37,900 37,900 37,900 37,900 37,900 37,900 37,900 37,900 37,900 37,900 37,					90,241				396,903		56,089		856,353
Plumbing and heating, except electrics						59,199	7,123		49,828			8,129	109,886
electric.		Plumbing and heating, except	2.19	1 "	9,663	60,479	7,057	14,566	37,329	114,983	6,597	9,110	93,578
344 Structural metal products 1,150 351 29,609 139,915 21,777 42,868 127,718 322,622 31,204 30,839 303,836 303,836 304 305,839 304,836 304,836 304,836 305,839 303,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836 305,836	2-12	electric	134	56	6,811	42,101	5,304	10,616	29,130	79.817	4,323	5,710	54,221
March Service Servic					29,609		21,771	42,868	127,718	323,622		30,839	303,326
		Screw machine products			7,468	49,860	5,694	12,502	34,314	93,020	3,484	5,880	
Fabricated wire products,		Metal stampings			8,687	47 662	7 129	15 729	36 258	78 231	3 914	7 268	55,691 55,577
Fabricated metal products, 327 110 10,672 71,441 7,586 16,052 43,634 130,313 8,204 8,345 83,265 35 Machinery, except electrical		Fabricated wire products,				.,,002	1,522	10,100	30,230	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2,724	.,	22,211
Machinery, except electrical 4,996 772 92,644 644,650 61,548 125,354 373,992 1,078,390 51,202 78,665 767,748 Construction and like construction and li	349					1	1	1					
Construction and like 296 101 10,641 72,132 7,292 14,777 44,095 155,017 4,049 10,946 107,828 24,000 10,410 72,132 7,933 8,107 17,114 15,370 129,430 5,310 9,285 89,221 13,555 58,661 Industry machinery. 306 72 8,270 5,163 19,196 32,176 91,796 2,903 7,322 67,502 39,665 39,621 13,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14,641 14		n.e.c	327	110	10,672	71,441	7,586	16,052	43,634	130,313	8,204	8,345	83,265
Sequisment 296 101 10,641 72,132 7,292 14,777 44,095 155,017 4,095 10,946 107,828 344 Metaworking machinery 770 120 10,440 75,938 8,107 17,114 55,370 129,430 5,310 9,285 89,251 355 Special industry machinery 306 72 8,270 14,572 5,863 11,916 32,176 91,796 2,903 7,328 67,502 7,328 67,502 7,328 67,502 7,328 67,502 7,328 7,327 7,328 7,327 7,328 7,327 7,328 7,327 7,328 7,327 7,328 7,327 7,328 7,327 7,328 7,327 7,328 7,327 7,328 7,327 7,328 7,327 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,328 7,3			4,596	772	92,644	644,650	61,548	125,354	373,592	1,078,390	51,202	78,665	767,748
Miscellaneous manufactures Miscellaneous manufactures Miscellaneous manufactures Miscellaneous manufactures Miscellaneous manufactures Miscellaneous manufacturens Miscellaneous manufacturers Miscellan	ررر		296	101	10,641	72.132	7.292	14,777	44.095	155,017	4,049	10.946	107.828
14, 15, 15, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16,	354	Metalworking machinery			10,410	75,953	8,107	17,114	55,370	129,430	5,310	9,285	89,251
357 Office meschines, n.e.c					8,270	51,517	5,863	11,916	32,176	91,796	2,903	7,328	67,502
Service industry mechines		Office machines n e c				141,562	9,792		58,879	152 254	9,625	12,689	73 507
36 Electrical machinery		Service industry machines				34,930	4.004	8.037	21.925	59.778	1,533		50,485
Electric distribution		Miscellaneous machinery			18,335	120,540	15,081	30,350			10,872		153,013
Second S			1,812	686	186,210	1,305,030	110,507	225,300	629,671	2,162,756	102,877	r _{87,011}	^r 818,371
Household appliances	240			88			9,487	19,683	55,575	185,781	4,962	16,235	167,669
364 Lighting and wiring devices. 330 107 9,056 51,413 6,902 13,640 33,044 101,552 3,807 9,665 91,846 367 Electronic components				58			5,012	7 963	28,357	80,034		6,555	
## Pietronic components					9.056	51,413	6,902		33.044	101.552	3,807	9,665	91.846
371 Motor vehicles and equipment. 443 143 27,437 202,291 21,730 49,129 152,201 586,731 58,210 24,338 297,569 373 Ship and boat building	367			201	46,922	290,705		63,970	159,938	468,750	37,614	19,956	164,866
373 Ship and boat building						1,647,651	125,861	261,991	868,209	2,742,346	158,463	264,550	2,525,462
Transportation equipment, n.e.c. 159 71 6,536 32,989 5,541 10,399 25,406 54,660 2,364 4,185 29,128 Instruments and related products 630 160 23,951 157,701 16,348 34,648 97,640 266,986 13,485 18,114 185,205 Mechanical measuring devices. 107 44 10,938 66,647 7,534 16,309 45,943 113,566 5,523 7,672 83,187 Optical instruments and lenses. 57 17 2,016 14,190 1,389 2,932 8,353 25,005 1,306 660 5,738 Medical instruments and supplies. 113 22 3,871 24,270 2,539 5,029 12,871 46,630 2,828 2,054 20,008 385 Ophthalmic goods. 32 3 295 1,503 249 471 1,165 2,825 (2) 163 1,075 Miscellaneous menufacturing, including ordnance 133 12 1,021 5,604 803 1,585 4,174 13,700 (2) 932 9,254 19,391 Musical instruments and parts 34 7 950 5,765 751 1,502 3,950 6,913 (2) 515 3,715 705 and sporting goods. 309 61 9,890 46,993 7,623 14,404 28,494 119,096 7,220 5,225 45,631 19,000 124,663 437,375 1,747,748 44,868 80,576 864,871 1900 Miscellaneous manufactures 2. 13 1,002 5,152 918 1,868 3,659 9,530 (2) 794 4,837 864,871 1000 124,663 437,375 1,747,748 44,868 80,576 864,871 1000 124,663 437,375 1,747,748 44,868 80,576 864,871 1000 124,663 437,375 1,747,748 44,868 80,576 864,871 1000 124,663 437,375 1,747,748 44,868 80,576 864,871 1000 124,663 437,375 1,747,748 44,868 80,576 864,871 1000 124,663 437,375 1,747,748 44,868 80,576 864,871 1000 124,663 437,375 1,747,748 44,868 80,576 864,871 1000 124,663 437,375 1,747,748 44,868 80,576 864,871 1000 124,663 437,375 1,747,748 44,868 80,576 864,871 1000 124,663 437,375 1,747,748 44,868 80,576 864,871 1000 124,663 437,375 1,747,748 44,868 80,576 864,871 1000 124,663 437,375 1,747,748 44,868 80,576 864,871 1000 124,663 437,375 1,747,748 44,868 80,576 864,871 1000 124,663 437,375 1,747,748 44,868 80,576 864,871 1000 124,663 437,375 1,747,748 44,868 80,576 864,871 1000 124,663 437,375 1,747,748 44,868 80,576 864,871 1000 124,663 437,375 1,747,748 44,868 80,576 864,871 1000 124,663 437,375 1,747,748 44,868 80,576 864,871 1000 124,663 437,375 1,747,748 44,868 80,576 864,871 1000 124,663 437,375 1,747,748 44,868 8					27,437			49,129		586,731	58,210	24,338	297,569
Instruments and related products 630 160 23,951 157,701 16,348 34,648 97,640 266,986 13,485 18,114 185,205 Mechanical measuring devices: 107 44 10,938 66,647 7,534 16,309 45,943 115,566 5,523 7,672 83,187 0ptical instruments and lenses			222	40	ررون و بدید	12,000	2,1111	10,000	00,299	100,001	1,009	10,990	00,020
382			159	71	6,536	32,989	5,541	10,899	25,406	54,660	2,364	4,185	29,128
Optical instruments and lenses							16,348	34,648	97,640				185,205
lenses			107	44	10,938	66,647	7,534	16,309	45,943	115,566	5,523	7,672	83,187
Supplies		lenses	57	17	2,016	14,190	1,389	2,932	8,353	25,005	1,306	660	5,738
39 Miscellaneous manufacturing, including ordnance	204		211	32	3,871	24,270	2,539	5,029	12,871	46,630	2,828	2,054	20,008
including ordnance ³	385					1,503	249		1,165		(Z)		1,075
391 Jewelry and silverware	39		1,391		157,092	1,286,873	73,844	147,855	486,728	1,935,295	54,443	r89,966	r 948,293
394 Toys and sporting goods 309 61 9,890 46,993 7,623 14,404 28,494 119,096 7,220 5,225 45,631 Pens, pencils and office supplies		Jewelry and silverware	133		1,021	5,604	803	1,585	4,174	13,700	(Z)	932	9,254
Pens, pencils and office supplies						5,765		1,502	3,950				3,715
396 Costume jewelry and notions. 77 13 1,082 5,152 918 1,868 3,659 9,530 (2) 794 4,837 398 399 190 Miscellaneous manufactures. 725 144 141,440 1,208,845 61,800 124,663 437,875 1,747,748 44,868 80,576 864,871		Pens, pencils and office											
398 399 190 Miscellaneous manufactures 725 144 141,440 1,208,845 61,800 124,663 437,875 1,747,748 44,868 80,576 864,871	396		77		1.082				3,659		1,640 (Z)	794	
190	398				1	1		· ·					
Administrative and auxiliary 42,427 421,964 34,628 -		Miscellaneous manufactures	725	144	141,440	1,208,845	61,800	124,663	437,875	1,747,748	44,868	*80,576	*864,871
		Administrative and auxiliary	_	_	42,427	421,964	_	_	_	_		34,628	_

⁻ Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand. Revised.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STANDARD AREAS WITH 4 , . . JA M ME MANUFACTURING EMPLOYEES: 1965 AND 1955

			-									
						196	3				19	58
Code	Industry group	Establi num	shments,	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures, new 1	ees, number	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
					(See foo			DEN GROVE CA 2 for SMSA				
	All industries, total ²	1,426	381	94,574	670,646	53,878	109,232	321,379	1,198,321	68,559	31,770	315,305
20	Food and kindred products	98	37 5	4,865	29,383	3,285	6,687	16,594	78,292	9,050	3,014	39,965
203	Canned and frozen foods Paper and allied products	28	11	495 1,742	2,963	249 1,371	486 2,828	1,179 7,517	4,641	(Z)	1,568 913	20,36° 11,742
27	Printing and publishing	137	30	2,952	16,129	1,852	3,461	10,257	35,575	2,531	1,532	16,766
271	Newspapers	24	10	1,418	7,808	754	1,515	4,575	17,572	941	729	7,347
28	Chemicals and allied products	62	10	1,378	10,013	644	1,331	3,899	29,333	2,131	793	16,831
30	Rubber and plastics products, n.e.c	64	28	3,115	17,183	2,468	4,830	12,059	30,850	3,781	1,676	11,999
306	Rubber products, n.e.c	16	8	1,341	7,308	1,075	2,100	5,207	15,228	(Z)	993	8,617
32 j	Stone, clay and glass products Concrete and plaster products.	9 <u>1</u> 43	26 16	1,662 790	10,601 5,306	1,145 487	2,399 1,011	6,649 3,104	23,383	1,482	1,293 600	12,020 6,329
33	Primary metal industries	21	11	872	5,194	719	1,437	3,817	10,086	(2)	353	9,593
34	Fabricated metal products	165	43	5,559	34,913	4,174	8,373	23,41.5	70,847	6,198	3,683	40,252
342 344	Cutlery, hand tools, hardware. Structural metal products	15 67	5 14	692 1,059	4,484 6,454	502 781	1,026 1,535	2,789 4,436	10,468 10,872	(D) 762	601 652	892 6,890
345 349	Screw machine products	15	5	1,776	11,561	1,351	2,781	7,705	23,879	890	842	9,663
349	Fabricated metal products, n.e.c	21	c	1,004	6,330	669	1,362	3,746	14,341	(D)	699	6,834
35	Machinery, except electrical	236	40	3,715	26,347	2,643	5,483	16,329	46,455	3,164	1,739	14,596
36	Electrical machinery	134	50	55,392	415,402	25,835	52,686	159,363	671,307	25,596	8,504	79,898
37 372	Transportation equipment Aircraft and parts	80 23	20 10	5,021 3,800	42,646	4,109 3,051	8,441	34,548	68,441	5,904	2,294 1,282	22,360 14,415
38	Instruments and related products	32	14	1,337	36,984 9,271	746	6,338 1,560	29,925 4,341	58,684 15,185	5,084 580	798	7,257
39	Miscellaneous manufacturing,											
	including ordnance ³	80	15	2,147	12,227	1,761	3,524	8,522	23,742	3,018	2,518	22,651
	Administrative and auxiliary4	-	-	1,118	10,250						609	
					(See fo		NGELES-LONG end of tabl		description)		
	All industries, total ²	17,434	5,072	742,610	5,067,300	495,926	999,977	2,853,207	8,905,836	378,902	r697,142	6,729,381
20	Food and kindred products	938	354	49,172	316,186	31,089	61,526	174,662	777,077	34,779	50,420	603,987
201	Meat products	120 128	51 52	7,447 8,287	52,325 56,162	5,522 3,513	11,554 7,382	35,794 22,260	91,032 132,524	6,690 7,599	7,915 8,287	73,118
203 204	Canned and frozen foods Grain mill products	142 81	54 31	6,836	34,840 16,604	5,401 1,489	9,680 3,221	22,968 8,595	94,251 57,762	2,110 1,831	7,464	72,124 37,939
205	Bakery products	144	56	10,638	75,411	6,061	11,790	37,951	149,580	7,611	11,707	129,092
209	Miscellaneous foods and kindred products	174	60	5,718	34,710	3,931	7,752	20,281	106,785	4,084	5,449	83,415
22	Textile mill products	198	77	4,733	22,734	3,889	7,881	16,105	52,635	1,870	3,713	31,734
227	Floor covering mills	2 254	17	1,127	5,464	386	1,782	3,453	14,212	808	539	3,941
231	Apparel and related products Men's and boys' suits and	1,854	703	48,889	127,595	42,487	78,393	144,471	336,552	5,510	44,324	260,914
232	Men's and boys' furnishings	42 174	1: 72	1,531 5,647	7,117	1,390 4,909	2,704 9,207	5,977 15,820	11,785 36,359	(Z) (Z)	1,829 5,544	11,010 30,460
233 234	Women's and misses' outerwear. Women's and children's	565	416	26,219	101,773	22,714	40,862	78,059	17°,382	3,183	22,368	140,853
236	underwear	62	33 28	3,400 1,879	12,485	2,960	5,588 2,853	9,891 4,906	22,149	(Z)	3,739	18,638
238	Children's outerwear Miscellaneous apparel	66 63	21	1,473	6,136 6,173	1,667 1,269	2,475	4,658	11,908	(Z) (Z)	2,221 1,723	9,636 10,127
239	Fabricated textiles, n.e.c	456	110	8,052	30,845	6,989	13,555	22,872	59,700	1,426	6,125	34,261
24 243	Lumber and wood products Millwork and related products.	520 274	110 52	7,782 4,041	45,112 27,125	6,318 3,246	12,206 6,361	32,967 19,766	77,186	2,777 1,433	6,607 3,629	51,277 28,575
249	Miscellaneous wood products	161	35	2,584	11,485	2,101	3,937	8,289	21,047	861	1,431	10,397
25 251	Furniture and fixtures Household furniture	981 658	315 237	23,825 17,621	131,038 93,712	19,125 14,433	37,234 28,034	94,787 68,482	229,652 164,941	6,214 4,558	19,977 14,849	155,044 112,772
254	Partitions and fixtures	165	3.2	3,147	20,616	2,344	4,639	14,755	33,974	917	2,227	20,337
26 263	Paper and allied products Paperboard mills	283 11	. 146	14,178 1,199	85,792 8,306	11,145	22,932 2,282	61,059 6,720	168,092 22,250	7,803 731	12,050 1,302	121,515 19,167
27	Printing and publishing	1,833	295	34,013	222,345	22,166	41,056	138,151	380,291	15,846	31,325	284,167
271	Newspapers	139 159	58 13	13,013	88,104 8,410	6,6 16 278	11,936 453	45,110 1,541	148,910 18,285	4,550 1,020	12,206 1,174	110,543 15,017
275	Commercial printing	1,063	140	12,195	79,277	9,672	18,369	58,306	130,599	6,942	10,569	94,358
277 278	Greeting card manufacturing Bookbinding and related work	13 88	5 23	337 1,845	1,626 9,469	279 1,582	534 3,085	1,189 7,536	3,930 17,939	(E) 274	878 1,971	7,604 14,144
279	Printing trades services	157	19	1,535	11,824	1,172	2,265	9,400	18,196	522	1,619	15,624
28	Chemicals and allied products Paints and allied products	729 139	210 48	20,097 3,839	129,184 25,566	11,760 1,970	23,897 4,103	65,788 11,564	444,582 63,946	24,636 1,418	17,657 3,160	337,192 50,014
289	Miscellaneous chemical products	137	26	1,895	11,928	1,099	2,279	5,732	29,979	1,263	1,669	22,984
29	Petroleum and coal products	29	32	9,333	68,004	6,521	12,754	43,650	205,268	23,547	11,484	142,435
295	Paving and roofing materials		1.3	1,148	7,715	727	1,725	4,755	18,069	541	1,243	16,553
Si	ee footnotes at end of table.											

See footnotes at end of table.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued

Code											1958	
	Industry group	Establi num	With 20	All emp	loyees	Pro	duction wor	kers	Value added by manufac-	Capital expend- itures,	All employ- ees,	Value added by manufac-
		Total	or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	ture (\$1,000)	new ¹ (\$1,000)	number	(\$1,000)
						LOS ANGELES	LONG BEACH	SMSA—Conti	nued			
30	Rubber and plastics products,	521	195	21,866	128,996	17,065	33,772	89,106	254,210	15 722	19,385	206,26
301 307	Tires and inner tubes Plastics products, n.e.c	16 402	9 137	6,238 10,734	46,429 54,376	4,690 8,687	9,445 16,788	33,589 36,766	86,087 108,931	15,732 3,682 9,529	7,859 7,082	101;91 59,02
32 326 327	Stone, clay and glass products. Pottery and related products. Concrete and plaster products	550 122 178	171 31 56	19,983 3,171 4,663	122,038 13,882 32,695	15,182 2,759 3,050	30,712 5,117 6,197	83,338 11,077 19,829	243,668 22,276 67,365	16,617 793 5,001	18,535 3,584 4,308	189,91 23,91 49,29
33 334 336	Primary metal industries Secondary nonferrous metals Nonferrous foundries	465 28 191	203 10 68	25,133 975 5,408	163,982 6,371 31,196	20,120 624 4,452	41,647 1,275 9,237	120,943 3,576 23,785	274,364 12,662 54,281	15,600 (Z) 1,879	23,508 1,032 5,047	221,50 8,86 42,51
34	Fabricated metal products	2,150	625	55,022	349,805	41,784	87,394	234,399	614,016	26,574	53,133	515,01
342 343	Cutlery, hand tools, hardware Plumbing and heating, except electric	188 89	63	6,727 4,734	41,990 29,941	4,852 3,679	10,108 7,543	24,926	78,176 56,659	3,261	6,446 3,866	65,50 36,83
344	Structural metal products Screw machine products	631 198	203	16,171 5,058	107,328 34,087	11,727 3,817	23,360 8,509	69,536 23,467	178,413 61,673	6,494 2,162	17,840 4,492	170,31 55,29
347 349	Metal services, n.e.c Fabricated metal products, n.e.c	499 199	94 66	6,615	35,634 40,982	5,424 4,514	12,340 9,383	26,618 24,231	57,186 70,589	2,794 2,903	5,914 4,673	45,57
35 353	Machinery, except electrical Construction and like equipment	2,942 183	51.1 70	57,326 7,172	390,747 48,717	38,430 4,751	79,827 9,762	231,396	701,463	27,932 2,356	49,044 8,263	471,1: 83,5
354	Metalworking machinery	562 169	98 34	7,939	58,453	6,180	13,228	42,310	99,781	3,835 1,379	6,931	68,2
355 356	Special industry machinery General industrial machinery.	339	86	4,729 13,491	27,719 100,576	3,409 6,971	7,061 14,375	17,279 40,990	46,731 160,621	6,467	3,633 9,151	34,1 97,7
358 359	Service industry machines Miscellaneous machinery	164 1,435	41 144	3,428 12,731	21,539 82,966	2,402 10,259	4,803 21,526	13,577 63,446	32,470 139,765	713 7,736	4,220 12,101	36,2 114,0
36 64 67	Electrical machinery Lighting and wiring devices. Electronic components	1,146 244 282	449 89 124	86,937 7,585 21,585	586,203 43,130 121,730	57,465 5,840 15,434	117,684 11,590 30,534	317,490 28,091 73,686	948,310 83,782 211,656	35,125 2,900 9,159	r _{57,370} 7,698 11,056	°506,5 69,7 86,8
37	Transportation equipment	858	327	137,542	1,119,474	84,963	177,584	586,812	1,817,922	68,451	183,346	1,824,5
71 72 73 79	Motor vehicles and equipment. Aircraft and parts Ship and boat building Transportation equipment,	263 406 77	99 165 13	17,808 112,092 3,141	132,596 942,773 20,398	14,193 64,406 2,618	32,580 132,711 4,894	99,825 452,158 17,008	397,742 1,354,471 27,085	19,924 47,033 (Z)	17,321 159,402 2,833	205,9 1,572,2 21,6
,	n.e.c	90	47	4,129	21,843	3,442	6,814	16,574	35,487	1,064	3,302	22,5
38 81 84	Instruments and related products Scientific instruments Medical instruments and	394 74	112 26	18,167 2,730	122,031	12,913	27,703 3,721	77,513 10,686	202,398 29,933	9,756 890	14,831 4,011	152,7 40,8
39	supplies	117	17	2,291	13,404	1,552	3,037	6,858	23,086	2,172	1,432	14,5
94	including ordnance ³	833 183	181 47	87,702 8,103	697,018 37,961	49,601 6,177	98,650 11,532	327,032 22,426	1,144,896 99,896	39,848 4,464	r _{60,576} 4,238	^r 628,9 38,0
	supplies	62	15	1,559 16,454	8,634 161,063	1,192	2,484	5,623	17,337	798	1,574 ^r 15,511	17,1
	Aminimo trative and advirtacy			10,454		otnotee et	SAN DIEGO		description)	27,722	
	All industries, total ²	911	189	60,058	451,568	30,012	58,403	185,777	711,758	14,332	71,383	605,5
20	Food and kindred products	107	36	4,160	26,039	2,263	3,958	11,878	55,506	2,436	4,534	49,6
202	Dairies Bakery products	15 19	8 10	1,009 940	7,272 6,795	392 404	812 776	2,704 2,723	14,893 10,194	(z) (z)	965 922	13,4 10,1
108	Beverages	12	6	537	3,664	141	275	865	7,579	658	384	4,2
23 39	Apparel and related products Fabricated textiles, n.e.c	44 27	8 4	1,805	6,790 953	1,636 245	2,989 409	5,406 729	10,568	(Z) (Z)	1,215	5,5
24 43	Lumber and wood products Millwork and related products	51 33	4	419 313	2,534 2,047	376 280	678 505	2,120 1,727	3,634 2,793	(Z) (Z)	263 200	2,0
25 51	Furniture and fixtures Household furniture	56 40	13 8	614 390	3,598 1,804	508 343	1,070 724	2,702 1,510	5,866 3,247	(Z) (Z)	589 347	4,4 2,5
27	Printing and publishing Newspapers	139 30	21 9	2,764 1,743	17,690 11,116	1,619 345	2,951 1,539	9,783 5,025	32,669 22,888	833 (Z)	2,283 1,369	28,0 16,9
75	Commercial printing	75	7	611	4,134	499	906	3,164	6,223	(Z)	443	3,9
28 32	Chemicals and allied products Stone, clay and glass products.	23 62	13	431 800	2,769 5,197	288 438	588 904	1,651 2,718	10,177	602 969	358 i 737	7,4 8,7
27	Concrete and plaster products	45	7	580	4,045	256	527	1,819	11,297	846	581	7,2
34 44	Fabricated metal products Structural metal products	80 34	16 10	1,047 566	5,828 3,330	826 425	1,627 826	4,319 2,399	9,731 5,140	(z) (z)	709 405	5,6 3,3
35 159	Machinery, except electrical Miscellaneous machinery	97 47	14 5	3,521 412	26,751 2,464	2,248 313	4,444 617	14,922 1,638	35,628 3,904	1,051 (Z)	1,099 261	9,9 1,8
36	Electrical machinery	69	21	3,339	24,248	2,237	4,404	13,135	40,241	1,201	1,029	9,1
37 373	Transportation equipment Ship and boat building	56 17	19 6	12,911 2,197	95,448 14,620	9,490 1,978	18,617 3,865	61,323 11,862	193,361 27,017	2,398 (Z)	46,401 1,249	372,1 11,5
39	Miscellaneous manufacturing, including ordnance ³	53	9	25,643 1,794	212,397 17,616	7,458	14,967	52,708	297,084	3,263	10,516 516	90,1

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MARREACTURING EMPLIYES: 1902 AND 1955-1 Telling.

						196	53				19	158
		Establi num	shments,	All emp	loyees	Pro	oduction wor	kers	Value	Capital	All	Value
Code	Industry group	man a	With 20 or more		D		, , , , ,		manufac- ture	expend- itures, new1	employ- ees, number	added by manufac- ture
_		Total.	employ~ ees	Number	(\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
					(See fo		FRANCISCO-OA		description)		
	All industries, total ²	4,749	1,312	194,084	1,359,179	126,861	245,084	770,671	2,566,720	190,215	189,700	2,049,371
20	Food and kindred products	562	222	34,097	220,189	23,019	43,913	130,882	592,864	27,353	35,881	497,364
201 202	Meat products Dairies	73	29 24	2,977 3,320	21,532 23,134	2,168 1,184	4,525 2,432	14,670 8,171	37,054 48,512	2,557 1,471	3, <i>5</i> 19 4,044	37,107 44,571
204 205	Grain mill products	25 101	8	1,076	7,284	811	1,721	5,188	30,877	1,032	1,042	20,577
208	Bakery products	62	27	7,123 3,297	50,819 23,434	3,970 1,979	7,520	23,538 13,108	87,578 36,302	2,757 6,720	6,345 3,809	69,835 81,366
209	Miscellaneous foods and kindred products	116	35	4,352	31,897	2,465	5,044	17,251	129,723	4,360	4,835	89,283
22	Textile mill products	35	13	815	4,083	632	1,262	2,742	5,893	(Z)	909	7,791
229	Miscellaneous textile goods	11	6	353	2,213	242	530	1,258	3,185	(2)	392	4,860
23 232	Apparel and related products Men's and boys' furnishings	371 34	108	7,853 1,041	28,585 3,641	6,671 911	11,126	20,518 2,801	53,149 9,269	834 (E)	8,040	47,077
233	Women's and misses' outerwear	172	62	4,622	16,725	3,940	6,376	11,455	31,320	569	1,529 4,075	10,477 22,858
239	Fabricated textiles, n.e.c	112	18	1,286	5,000	1,008	1,852	3,801	7,380	(Z)	1,485	3,904
24 243	Lumber and wood products Millwork and related products	176 92	30 17	2,139 1,017	12,281 6,530	1,760 789	3,377 1,520	9,524 4,759	19,835	1,466	1,771 873	14,261 6,928
249	Miscellaneous wood products	46	7	722	3,747	626	1,226	3,120	6,012	739	400	2,650
25 251	Furniture and fixtures Household furniture	242 134	57 35	4,824 3,392	30,566 20,205	3,887 2,791	7,673 5,483	22,899 15,400	50,345 33,832	9,033 598	4,216 3,086	37,112 27,579
254	Partitions and fixtures	70	16	1,033	7,847	791	1,578	5,599	12,305	(z)	875	7,449
259	Furniture and fixtures, n.e.c	26	5	305	1,861	236	461	1,429	3,133	(z)	215	1,698
26	Paper and allied products	100	66	7,702	50,283	6,116	12,227	36,440	94,184	7,409	7,497	82,911
264 265	Paper and paperboard products Paperboard containers and	48	27	2,796	17,461	2,171	4,349	12,152	31,000	3,739	2,889	28,586
200	boxes	42	31	3,453	22,747	2,767	5,563	16,276	35,043	2,198	3,366	36,772
27	Printing and publishing	758 87	142 34	18,790 7,910	127,995	12,138	21,707 7,978	82,701	213,744	7,598	18,529	173,079
271 272	Newspapers Periodicals	54	7	462	53,046 2,666	4,495 85	135	31,490 488	76,441 7,989	2,182 (Z)	7,224 783	60,887 8,004
273 275	Books	46 409	10 57	728 6,366	4,769 45,475	278 4,943	518 8,804	1,851 32,884	11,530 76,437	(Z) 3,836	197 7,237	2,416 69,990
276	Manifold business forms	14	8	1,557	10,081	1,022	1,833	7,267	22,098	787	1,569	17,389
278 279	Bookbinding and related work. Printing trades services	35 80	7 17	618 893	3,767 7,001	521 637	958 1,230	2,987 5,062	6,096 10,685	(z) (s)	361 931	2,987 9,456
28	Chemicals and allied products	288	91	10,207	73,421	6,074	11,857	38,785	210,508	18,482	10,609	178,170
281 284	Basic chemicals Cleaning and toilet goods	53 56	33 10	3,871 1,138	30,164 7,357	2,286 712	1,354	15,813 4,027	80,030 37,036	13,813	3,826 1,232	69,163 27,635
285	Paints and allied products	70	19	2,158	15,192	1,335	2,679	8,811	41,399	1,504	2,150	30,951
287 289	Agricultural chemicals Miscellaneous chemical	15	8	546	3,442	336	630	1,921	10,619	(Z)	691	13,309
	products	54	14	1,346	9,058	889	1,763	5,362	28,411	777	1,873	28,497
29 291	Petroleum and coal products Petroleum refining	35 10	10 5	6,523 6,000	51,189 47,583	4,719 4,309	8,934 8,133	34,003 31,356	224,992 212,843	23,101 22,752	7,435 6,710	141,029 129,334
30	Rubber and plastics products,											
307	n.e.c Plastics products, n.e.c	103 83	27 15	2,157 1,066	12,790 5,839	1,653 862	3,225 1,645	8,382 4,125	27,962 14,391	1,070 837	2,068 663	24,472 2,076
32	Stone, clay and glass products.	207	64	7,259	47,494	5,579	11,243	34,884	94,535	8,697	6,763	92,251
322 325	Pressed and blown glassware Structural clay products	7 11	5	2,938 525	19,495 2,748	2,572 439	5,155 859	16,496 2,041	33,607 4,988	1,999 (Z)	2,450 418	30,185 3,820
327	· Concrete and plaster products	120	37	2,354	16,197	1,485	3,095	9,827	37,154	4,939	1,996	24,303
329	Nonmetallic mineral products. Primary metal industries	33 110	53	541 10,208	3,388 72,674	392 8,035	762 15,353	2,245 53,606	7,017 157,324	(Z) 19,363	544 10,762	6,730 146,530
331	Steel rolling and finishing	15	8	5,360	40.767	4,201	7,663	30,294	92,015	(D)	6,165	102,643
332 334	Iron and steel foundries Secondary nonferrous metals	24 11	15 4	2,068	12,786	1,763 176	3,438	10,248	22,922 4,364	887 (Z)	2,069 346	18,779
335	Nonferrous rolling and		8			854	1,806			1,405	693	
34	drawingFabricated metal products	10 500	162	1,099 19,420	7,714	14,972	29,635	5,416 95,163	19,394 245,727	15,549	20,192	7,785
341	Metal cans	13	11	3,722	27,006	3,300	6,756	23,251	61,299	6,361	3,386	45,479
342 343	Cutlery, hand tools, hardware Plumbing and heating, except	36	4	1,933	12,465	1,448	2,926	8,515	23,383	2,406	1,867	17,703
	electric	25	10	1,301 472	8,453	997 389	1,937	5,975	16,402	1,134 (Z)	1,515 456	13,473
345 346	Screw machine products Metal stampings	31 34	6 9	760	3,126 4,923	620	1,194	2,308 3,758	5,596 9,025	(Z)	561	4,165 5,966
347 348	Metal services, n.e.c Fabricated wire products,	92	18	1,042	6,487	867	1,721	5,213	11,993	(Z)	813	5,869
349	n.e.c	22	6	452	2,467	339	584	1,706	3,=19	(Z)	706	4,872
249	n.e.c	51	25	2,691	19,128	1,881	3,885	12,196	34,239	1,665	2,477	25,323
35	Machinery, except electrical	560	93	12,140	83,957	8,540	16,844	55,414	143,429	7,483	12,767	134,195
351 353	Engines and turbines Construction and like	**	3	389	2,967	248	560	1,953	7,154	(Z)	1,098	12,479
354	equipment Metalworking machinery	41 84	11	1,716	11,498 10,365	1,217 1,067	2,295 2,088	7,171 7,538	24,055 17,758	876 554	1,639 1,261	17,121 11,855
355	Special industry machinery	53	19	1,249	9,171	397	1,780	5,634	19,903	(Z)	1,449	14,410
356 358	General industrial machinery. Service industry machines	86 50	19	2,183 686	14,721 4,641	1,442	2,847	6,260 2,723	25,625 8,268	553 (D)	1,891 565	18,993 6,668
	ee footnotes at end of table.				,			,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,		,

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued

(500	tovt	for	avnland	tion	Of	and mm	cantione	1

		1963									1958	
0-3-		Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
						SAN FRANCIS	CO-OAKLAND	SMSA-Contin	ued			
36 361	Electrical machinery Electric distribution	220	68	`15,418	110,139	9,222	18,642	55,236	189,002	9,914	10,993	112,503
362 364	products Electric industrial apparatus Lighting and wiring devices	37 29 38	16 13 8	1,763 822 868	12,373 5,597 5,108	1,021 516 634	1,964 1,022 1,205	6,114 2,866 3,094	25,986 10,058 10,238	640 (Z) (Z)	1,670 412 1,639	21,835 4,919 18,015
367	Electronic components	48	13	3,926	27,649	2,799	5,990	17,059	38,181	3,005	4,589	42,138
37 371	Transportation equipment Motor vehicles and equipment.	146 70	49 26	13,230	97,664 46,677	9,970 4,951	20,585	68,512	179,781	34,114	11,988	113,148
373	Ship and boat building	57	16	6,357 4,737	33,406	3,986	10,891 7,683	34,670 27,019	101,803 46,235	(D)	4,120 5,890	46,512 46,080
38	Instruments and related products	92	20	2,347	12,966	1,301	2,582	7,533	18,666	1,721	1,127	11,395
381 382	Scientific instruments Mechanical measuring devices.	15 14	-4	299 1,063	1,919 3,741	252 362	474 765	1,107 1,782	2,807 4,551	(Z) (D)	262 472	2,853 5,035
384	Medical instruments and supplies	37	6	504	3,518	342	692	2,256	5,266	(Z)	223	1,908
39 395	Miscellaneous manufacturing, including ordnance ³ Pens, pencils and office	212	30	2,794	16,673	1,880	3,541	9,807	37,834	1,110	3,485	29,065
398	supplies	24	3	748	4,517	404	752	1,800	16,768	(Z)	148	1,335
399 190	Miscellaneous manufactures ³	115	23	1,625	9,948	1,135	2,162	6,354	16,485	(Z)	2,806	24,284
	Administrative and auxiliary4	-	-	15,220	166,805	-	-	-	-	-	r _{13,559}	-
			SAN JOSE SMSA (See footnotes at end of table 2 for SMSA description)									
	All industries, total ²	1,070	327	98,465	765,877	48,789	97,086	289,799	1,203,786	65,696	53,921	631,557
	Food and kindred products	145	78	13,353	68,109	10,838	19,684	48,466	179.506	8,799	12,122	132,987
201	Meat products	11 14	7 9	327 714	2,121 5,247	249 223	467 454	1,413 1,402	4,775 7,939	(Z) (Z)	268 740	2,821 8,994
203	Canned and frozen foods	60	37	9,722	43,720	8,763	15,632	36,433	120,929	6,180	8,881	93,709
205	Bakery products Beverages	12 21	7	682 1,172	5,211 7,180	363 685	1,334	2,325 3,732	9,423	(Z) 873	642 950	7,253 13,222
209	Miscellaneous foods and kindred products	1.7	4	304	1,914	202	413	1,197	5,070	590	216	2,057
24	Lumber and wood products	44	7	654	3,844	551	1,030	2,990	6,821	(Z)	480	3,971
243	Millwork and related products	29	6	403	2,664	324	605	2,016	5,531	(Z)	211	2,228
25 251	Furniture and fixtures Household furniture	35 16	8	465 301	2,807 1,810	396 261	755 491	2,298 1,463	5,090 3,268	(Z) (Z)	719 652	3,983 3,387
26 264	Paper and allied products Paper and paperboard products	24 12	14 7	1,711	11,029 5,438	1,325 639	2,631 1,207	7,784 3,731	25,660 13,650	84 <i>5</i> 60 <i>5</i>	1,111 499	15,339 7,563
27 271	Printing and publishing Newspapers	135 18	24 6	3,113 1,401	20,446 9,668	1,735 641	3,233 1,141	11,272 4,741	41,704 19,029	1,445 (Z)	2,279 1,045	22,122 10,309
273	Books	12 67	4 9	538 719	2,982 5,013	273 558	558 1,048	1,239 3,679	6,550	518 (Z)	396	4,344 4,102
275 28	Commercial printing Chemicals and allied products	41	10	761	5,223	421	863	2,643	7,910 25,696	2,886	502 771	15,109
30	Rubber and plastics products, n.e.c	18	6	738	4,389	590	1,165	3,092	7,576	612	210	1,847
32 327	Stone, clay and glass products. Concrete and plaster products	56 34	22 14	2,494 718	15,777 4,396	1,649 424	3,479 844	11,081	45,646 8,035	3,470 879	2,192 570	38,856 7,084
33	Primary metal industries	22	9	51.2	3,383	417	823	2,518	6,510	(z)	551	6,575
34 344	Fabricated metal products Structural metal products	98 3 6	20 6	1,702 691	11,364 4,671	1,35 8 553	2,718 1,070	8,799 3,697	23,210 8,083	1,365 509	2,191 966	27,916 11,849
35	Machinery, except electrical	200	40	7,531	66,401	3,555	6,380	21,495	60,613	7,865	8,124	80,968
352 354	Farm machinery and equipment. Metalworking machinery	10 25	2 4	509 255	3,585 1,710	342 214	682 458	2,150 1,427	4,983 2,360	(z) (z)	509 261	4,460 1,724
355 359	Special industry machinery Miscellaneous machinery	12 106	5 13	593 893	4,248 6,527	352 1,105	694 1,448	2,365 5,077	5,537 9,653	(D) 571	684 390	5,814 3,705
36	Electrical machinery	124	59	18,025	128,610	10,578	22,064	61,468	227,335	16,784	5,956	66.916
362	Electric industrial apparatus	7 50	1 25	263	1,989	173	367	1,183	4,527	(Z)	418	5,779
367	Electronic components Instruments and related products	28	7	10,317 994	71,179	5,625 610	12,023 1,280	32,230 4,302	118,220 17,427	11,877 (Z)	2,875 290	26,064 2,641
384	Medical instruments and supplies	10	4	753 4 016	5,532 35,327	407	847	2,688	14,099	(Z)	252	2,308
	Administrative and auxiliary	-		4,016	30,327		-		-	-	2,544	

n.e.c. Not elsewhere classified. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500

thousand. TRevised.

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Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported <u>separately</u> for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.







Area series

COLORADO

preliminary report

Value added by manufacturing in 1963 in the State of Colorado amounted to \$1,203 million, an increase of 4 percent from 1962 and 54 percent from 1958. The Denver Standard Metropolitan Statistical Area, with a value added of \$930 million accounted for 77 percent of Colorado's total value added.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. For 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	All emp	oloyees ¹	Pr	oduction worke	rs	Value added by	Capital	Index of change (1958 = 100)	
Year	Total With or mo emplo		Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	2,409 (NA) (NA) (NA) (NA) 2,242	573 (NA) (NA) (NA) (NA) (NA) (NA)	92,459 194,351 72,152 188,835 24,761 77,574	591,473 1587,697 1548,924 1511,112 463,238 401,301	64,159 64,737 62,856 62,856 58,611 55,084	128,753 133,684 129,036 125,251 119,596 111,966	368,907 r370,375 r340,775 r321,714 295,892 265,209	1,202,958 1,151,831 984,061 931,215 858,351 781,943	68,032 83,082 59,096 60,243 44,846 50,713	119 127 124 116 109 100	154 147 126 119 110

(IA) Not available. Revised

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

August 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS, A. Ross Eckler, Director

STATES OF MAN

be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u> --This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number.-This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours. -- This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages.--This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

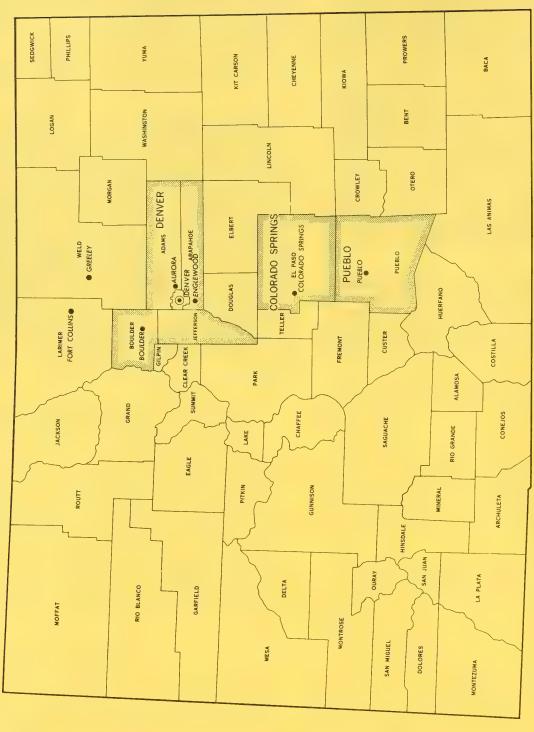
smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

BUREAU OF THE CENSUS



COLORADO

• Incorporated places of 100,000 and over Incorporated places of 25,000-100,000 Standard Metropolitan Statistical Areas COLORADO

Tible ...-GENERAL STATISTICS FOR THE STATE, STATE ARE SETROPOLITAN STATISTICAL MARKET, AND SOUNDINGS TO A CONTROL OF A CON

	(See text for explanation of column captions)										
					196	3				19	58
State, standard metropolican statistical areas,		shments, ber	All employees ²		Pro	duction wor	kers	Value added by	Capital	All employ-	Value added by
and counties1	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new 3	ees, number 2	manufac- ture (\$1,000)
COLORADO, TOTAL	2,409	573	92,659	591,473	e4 , 159	128,753	368,907	1,202,958	68,032	77,574	781,943
STANDARD METROPOLITAN STATISTICAL·AREAS											
Colorado Springs ⁴ Denver ⁵ Pueblo ⁶	141 1,445 88		3,679 68,400 8,885	19,693 457,548 58,422	2,382 45,788 7,017	4,554 91,804 13,497	10,603 275,667 43,593	34,367 929,610 99,060	3,039 51,607 2,612	3,327 53,690 9,694	25,709 562,850 98,336
COUNTIES1											
Adams Arapahoe. Boulder Delta Denver	100 148 126 25 952	36 35 26 5 290	5,471 3,795 1,972 396 37,124	33,857 22,080 9,710 1,683 227,081	3,412 2,441 1,465 322 25,843	7,020 5,112 2,754 727 50,701	19,501 12,642 6,394 1,345 135,845	78,153 40,043 19,992 3,886 444,966	2,885 1,822 1,330 (Z) 19,711	4,410 3,011 1,241 311 36,118	54,867 26,970 10,839 1,763 339,799
El Paso	141 119 20	31 21 6	3,679 20,038 304	19,693 164,320 1,454	2,382 12,627 201	4,554 26,217 477	10,603 101,285 840	34,367 346,456 2,292	3,039 25,359 (Z)	3,327 8,910 345	25,709 130,375 2,440
Larimer Logan Mesa	114 22 59	18 2 11	2,509 273 883	12,517 1,344 4,736	1,869 208 601	3,749 414 1,267	8,026 962 3,041	35,487 4,182 10,167	2,259 (Z) 1,123	1,975 282 987	20,048 2,415 8,187
MorganOtero. Pueblo	15 40 88 39	4 8 25 19	324 1,127 8,885 2,330	1,690 4,627 58,422 11,780	229 975 7,017 1,785	482 2,134 13,497 3,727	1,099 3,757 43,593 8,473	6,340 7,225 99,060 33,862	(Z) 382 2,612 2,793	313 1,066 9,694 1,722	3,934 6,024 98,336 18,354

⁽²⁾ Less than \$500 thousand.

1-Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further elecking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

2-Includes employment and payroll at central administrative offices and sulfilary mits. (For a definition of these units see text.)

3-Includes expenditures for both plants in operation and for plants under construction but not in operation.

4-The Colorado Springs Standard Metropolitan Statistical Area is coextensive with El Paso County, Colorado.

5-The Denver Standard Metropolitan Statistical Area consists of Adams, Arapahoe, Boulder, Denver, and Jefferson Counties, Colorado.

6-The Pueblo Standard Metropolitan Statistical Area is coextensive with Pueblo County, Colorado.

Table 3.--GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958 (See text for explanation of column captions)

_												
						196	3		1958			
Code	Industry group	Establi:	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ¹ (\$1,000)	ees, number	manufac- ture (\$1,000)
	All industries, total ²	2,409	573	92,659	591,473	64,159	128,753	368,907	1,202,958	68,032	77,574	781,943
20 201 202 203 207 208 209	Food and kindred products	465 74 88 33 12 50	155 26 31 10 2 17	18,606 4,605 2,473 1,106 499 2,424	103,823 28,705 13,783 3,600 1,553 17,625	12,556 3,731 932 984 460 1,099	26,014 7,318 1,966 2,097 829 2,497	65,002 22,547 4,867 2,956 1,376 7,487	255,895 49,064 30,471 6,476 3,766 56,148	24,053 1,729 1,355 (Z) (Z) 12,770	17,451 3,825 3,007 1,161 492 1,619	175,882 36,411 27,775 6,483 1,897 27,735
23 232 239	Apparel and related products Men's and boys' furnishings Fabricated textiles, nec	75 10 45	26 8 10	1,792 670 542	6,055 2,110 1,943	1,520 579 428	2,782 1,029 812	4,459 1,529 1,316	9,447 2,550 3,449	(Z) (Z) (Z)	1,505 520 306	8,270 3,288 1,770
24 241 242 243	Lumber and wood products Logging camps and contractors. Sawmills and planing mills Millwork and related products.	235 49 122 47	26 1 16 5	2,419 286 1,418 361	9,340 788 5,625 1,601	2,131 256 1,283 289	4,573 553 2,792 558	7,771 699 4,782 1,217	15,937 1,703 8,891 2,731	1,650 (Z) 1,068 (Z)	2,642 178 1,593 438	12,801 800 7,772 2,428
25 251 26	Furniture and fixtures Household furniture Paper and allied products	80 45 28	17 11 15	1,060 720 1.075	5,605 3,465 5,903	860 582 844	1,707 1,144 1,801	4,080 2,492 3,899	9,855 6,738 12,983	(2) (2) 553	1,325 712 843	10,165 5,895 9,017
265	Paperboard containers and boxes	15	10	600	3,228	478	992	2,170	7,532	(2)	461	4,278
27 271 272 275	Printing and publishing Newspapers Periodicals Commercial printing	409 130 28 198	57 19 4 25	7,671 3,970 653 2,181	43,575 22,100 3,822 12,821	4,801 2,098 388 1,681	9,032 3,724 691 3,417	26,618 12,490 1,788 9,276	76,001 36,194 10,147 20,520	3,012 1,272 (2) 1,253	6,986 3,619 341 2,128	54,529 25,570 4,295 17,349
28 281 285 289	Chemicals and allied products Basic chemicals Paints and allied products Miscellaneous chemical	83 16 14	19 5 6	1,656 387 286	10,180 2,336 1,709	1,102 282 137	2,159 573 268	5,884 1,551 667	44,167 4,944 4,395	1,501 524 (Z)	1,966 423 373	33,534 6,878 2,974
	products	17	2	252	1,531	187	364	1,036	2,995	(2)	328	3,489
29 291	Petroleum and coal products Petroleum refining	19 12	11 7	976 708	7,136 5,271	714 554	1,460 1,123	4,931 3,995	18,648 15,026	1,537 1,332	808 591	13,887 10,609
32 325 327	Stone, clay and glass products Structural clay products Concrete and plaster products.	203 11 142	47 8 27	5,004 907 2,150	29,052 4,978 12,353	3,617 716 1,410	7,515 1,388 2,926	19,278 3,262 7,398	63,807 7,107 26,666	4,656 773 2,494	4,079 1,271 1,443	43,978 9,071 13,873
33 332	Primary metal industries: Iron and steel foundries	11	7	704	3,893	625	1,284	3,280	7,046	508	855	6,838
34 342 344 349	Fabricated metal products Cutlery, hand tools, hardware. Structural metal products Fabricated metal products,	182 11 98	51 6 25	4,214 351 2,266	26,330 1,922 14,342	3,163 262 1,687	6,441 542 3,389	17,417 1,152 9,626	47,096 4,491 18,306	2,065 (Z) 518	3,991 293 2,511	37,442 2,537 21,677
	n.e.c	18	6	758	5,146	516	1,048	2,908	11,710	570	667	6,729
35 352 353	Machinery, except electrical Farm machinery and equipment Construction and like	220 25	5	5,299 425	32,556 2,401	3,925 327	7,964 673	21,796 1,525	66,978 4,618	2,299 (Z)	4,678	50,543 3,374
3 56 359	equipment General industrial machinery Miscellaneous machinery	35 25 84	14 7 11	2,093 668 1,190	13,906 4,412 5,886	1,523 450 1,030	3,107 1,008 1,968	8,924 2,801 5,016	33,195 10,021 9,937	1,036 (Z) (Z)	2,432 435 1,081	26,705 5,960 11,168
36 361 362	Electrical machinery Electric distribution products Electric industrial apparatus.	66 16 12	24 9 4	3,425 1,786 945	18,280 10,789 4,009	2,400 1,075 750	4,765 2,178 _1,401	10,401 5,068 2,756	43,068 27,642 8,459	3,417 2,032 (Z)	1,907 782 759	16,137 8,790 4,014
38 384	Instruments and related products Medical instruments and supplies	51 25	9	891 501	4,969 2,782	674 359	1,359 711	3,170 1,603	9,329 4,622	(Z) (Z)	488 259	3,997 2,319
39 394	Miscellaneous manufacturing, including ordnance3	124 23	23	4,586 589	30,913 2,101	3,111 498	6,328 1,067	18,556 1,646	42,317 2,508	(D) (Z)	8,753 654	111,367 3,478
	Toys and sporting goods Administrative and auxiliary4	-	-	1,314	17,403	-	-	-	-	-	2,032	-

(D) Withheld to avoid disclosing figures for individual companies, n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

Table -.--SINERAL STATISTICS FOR STANDARD SPEROPOLITAN STATISTICAL AREAS SINCEA, NO. OF MORE SAND ACTS INC. ESPECYME: 1963 AND 1985

(See text for explanation of column captions)

-						196	3				195	5ê
ť¢ ie	Injustry group	Establi:	shments, ber	All empl	Loyees	Pro	duction work	kers	Value added by	Capital expend-	All employ-	Value
		Total	With 20 or more employ- ees	N_mber	Payroll (\$1,000)	Numter	Man-hours (1,000)	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new1	ees, number	manufacture (\$1,000)
						text for e	DENVER S	MSA of column ca	ptions)			
	All industries, total ²	1,445	40%	68,400	457,548	45,788	91,804	275,667	929,610	51,607	50,6.	562,850
20 201 202 204 205 203 203	Food and kindred products. Meat products. Dairies Jrain mill product Sakery product Heverage: Miscellaneous foods and	205 31 41 11 10 15	9T 13 13 21 11	12,581 3,593 1,616 422 2,757 1,880	74,808 23, 14 9,264 2,825 14,464 15,112	8,213 2,832 603 305 1,768	16,578 5,574 1,252 893 3,449 1,****	45,177 18,184 3,175 2,112 8,577 6,289	177,981 37,016 20,077 10,531 35,592 50,184	18,686 1,398 865 (3) 1,718 12,386	11,346 3,244 1,765 447 2,658 1,096	121,533 31,058 17,446 7,187 24,898 23,695
23 232 233 254	Apparel and related products 'er'' and top'' rundishing Women' and missed outerwar. Fabricated textiles, n.e.c	37 00 3 7 33	1: 25 7 4	1,595 504 258 515	4,328 5,519 1,682 816 1,340	1,34\ 424 222 406	1,241 2,471 764 413 771	2,489 4,028 1,167 649 1,256	10,377 3,344 2,127 1,589 3,293	1,204 (Z) (Z) (Z) (Z)	715 1,504 452 304 275	6,685 7,919 3,140 1,460 1,568
24	Lumber and wood products	52	3	627	2,585	530	1,082	2,041	5,129	(2)	812	4,241
25 251	Furriture and firture	68 30	16 10	949 636	5,237 3,259	763 506	1,554 1,030	3,820 2,333	9,221 6,322	(Z) (Z)	911 665	7,809 5,449
27 271 270 275	Printing and publishing New papers	255 42 20 148	3 / 3 22	5,698 2,649 386 1,918	34,272 16,170 2,146 11,578	3,611 1,398 183 1,485	6,809 2,399 309 3,026	21,254 9,268 728 8,438	60,986 27,428 6,985 18,587	2,260 795 (Z) 1,139	5,175 2,396 322 1,868	41,502 17,662 3,820 15,711
28	Chemicals and allied products	es/s	15	1,230	7,675	791	1,552	4,211	39,509	1,068	1,385	25,763
29 291	Petroleum and coal products Petroleum refining	14 3		716 513	5,050 3,707	509 404	1,027 799	3,433 2,870	13,600 10,170	790 634	577 402	10,552 7,750
32 32 5 327	Stone, clay and glass products Structural clay products Concrete and plaster products.	77 7 63	27 6 17	3,181 822 1,178	18,461 4,549 6,724	2,252 648 768	4,775 1,256 1,564	12,003 2,933 4,016	31,659 6,191 13,959	2,558 667 1,124	2,328 1,006 765	18,205 7,095 7,109
33 332	Primary metal industries Iron and steel foundries	54 9	11	961 600	5,123 3,293	816 526	1,664 1,093	4,035 2,732	11,844 5,425	559 507	1,145 743	10,018 5,738
34 342 344 349	Fabricated metal products Cutlery, hand tools, hardware. Structural metal products Fabricated metal products,	143 8 78	-3 5 21	3,694 320 1,987	23,044 1,757 12,381	2,786 235 1,517	5,718 491 3,071	15,671 1,048 8,865	41,742 4,147 15,510	1,558 (Z) (2)	3,573 229 2,223	33,249 2,078 18,691
	n.e.c.	10	4	577	4,161	360	734	2,164	9,736	(2)	619	6,137
35 352 353	Machinery, except electrical Farm machinery and equipment Construction and like	143	35 3	3,773 261	23,957 1,588	2,699 198	5,563 397	15,661 945	49,601 3,017	1,606 (Z)	3,520 217	40,009 2,613
359	equipment Miscellaneous machinery	23 45	11	1,688 5/3	11,067 2,913	1,269 470	2,569 987	7,579 2,375	26,903 4,350	843 (Z)	1,980 525	21,324 7,248
36 361	Electrical machinery Electric distribution products	51	15	1,795 1,210	11,146 7,866	1,171 698	2,335 1,426	6,112 3,695	25,731 19,048	1,384 (Z)	1,113 782	12,276 8,790
38	Instrument: ani relate i projuct:	38	7	732	4,185	547	1,104	2,625	7,917	(Z)	450	3,715
334	Medical instruments and supplies	18	4	429	2,373	311	614	1,375	3,930	(2)	236	2,152
	Administrative and auxiliary3	-	-	937	14,517	-	-	-	-	-	1,602	-
-								1				

⁽D) Withheld to avoid disclosing figures for individual companies. n.e.c. Not elsewhere classified. (Z) Less than 3500 - Represents zero.

thoused.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

Pube Wall industries, total includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the Stare.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage ware-houses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

U.S. DEPARTMENT OF COMMERCE

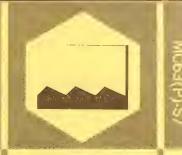
BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE







Area series CONNECTICUT

preliminary report

Value added by manufacturing in 1963 in the State of Connecticut amounted to \$4,478 million, an increase of 6 percent from 1962 and 40 percent from 1958. Of this total, \$896 million was contributed by the transportation equipment industries and \$683 million by the non-electrical machinery industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1 .-- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	All emp	loyees ¹	Pr	oduction worke	rs	Value	Capital	Index of	change 100)
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963. 1962 ³ 1961 ³ 1960 ³ 1959 ³ 1958.	5,516 (NA) (NA) (NA) (NA) (NA) 5,248	1,988 (NA) (NA) (NA) (NA) 1,873	418,706 418,436 405,626 409,328 408,486 r393,795	2,574,734 2,462,687 2,282,415 2,237,235 2,184,777 1,964,636	294,174 298,441 289,829 296,197 298,684 284,532	602,999 606,656 584,545 595,309 608,726 563,309	1,567,798 1,528,214 1,419,200 1,412,997 1,409,252 1,254,119	4,477,894 4,209,954 3,885,778 3,784,568 3,803,388 3,188,921	212,905 224,007 171,210 197,973 169,342 195,204	106 106 103 104 104 100	140 132 122 119 119 100

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

June 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

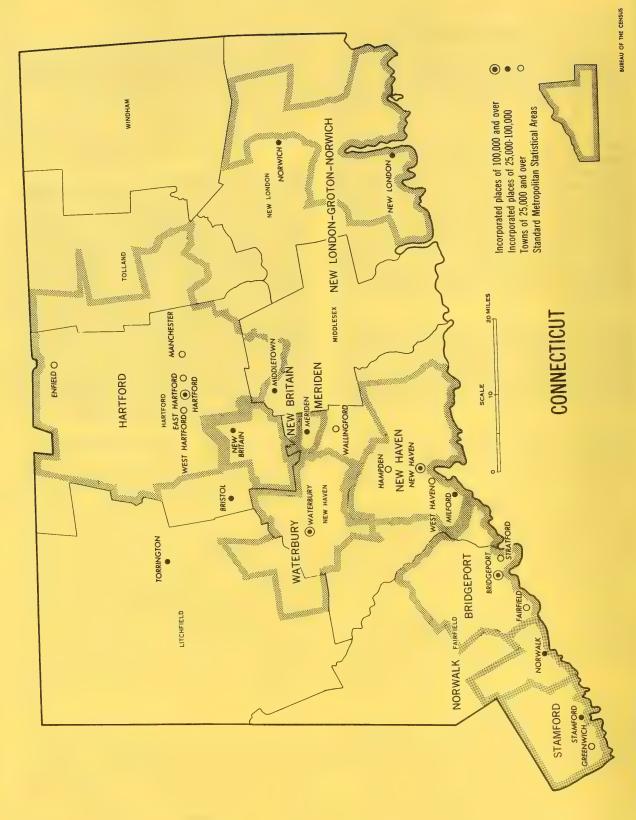
The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early (Order forms which list these reports and 1966. their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



CONNECTICUT

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

					196	3				19	58
State, standard metropolitan statistical areas.	Establi num	shments, ber	All emp	loyees ²	Pro	duction wor	kers	Value	Capital	All	Value
and counties 1	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	added by manufac- ture	expend- itures, new 3	employ- ees, number 2	added by manufac- ture
		ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
CONNECTICUT, TOTAL	5,516	1,988	418,706	2,574,734	294,174	602,999	1,567,798	4,477,894	212,905	r _{393,795}	3,188,921
STANDARD METROPOLITAN STATISTICAL AREAS											
Bridgeport* Hartford? Meriden* New Britain? New Haven* New London-Groton-Norwich* Norwalk* Springfield-Holyoke* Portion in Massac setts Portion in Connecticut. Stanford* Waterbury*	325 926 124 369 726 213 275 965 965 957 8	300 309 40 117 280 90 108 388 386 2	67,583 89,478 7,355 29,868 42,990 30,179 17,389 68,800 68,471 329 23,365 37,745	420,733 584,734 44,958 172,239 252,687 210,145 107,729 387,238 385,762 1,476	47,141 57,543 5,617 22,425 30,751 12,504 11,116 50,180 49,890 290 12,190 28,576	97,422 120,645 11,550 44,845 62,043 49,140 21,184 99,734 91,24 610	260,611 329,283 32,372 115,644 156,049 128,392 54,679 242,659 241,518 1,141	770,916 972,092 76,683 306,909 414,623 311,258 180,595 679,775 677,329 2,446 284,224 423,049	31,206 40,716 3,085 17,811 27,613 17,961 8,367 28,636 28,599 (Z)	64,749 88,533 8,594 F31,445 42,527 23,382 14,271 F71,838 F71,425 413	570,915 722,875 63,914 240,218 331,572 190,144 114,122 r597,404 r593,879 3,525 175,813 301,555
COUNTIES 1											
Fairfield. Hartford. Litchfield. Middlesex.	1,566 1,367 298 243	531 451 104 93	114,027 127,065 15,746 12,522	715,886 811,738 83,369 70,516	74,671 85,631 12,363 9,160	151,141 177,317 24,969 18,594	400,048 482,234 57,220 43,583	1,280,109 1,359,109 161,144 146,693	51,368 64,787 10,268 5,517	104,138 124,162 16,063 11,762	906,917 990,179 118,357 90,018
New Haven. New London. Tolland. Windham.	1,536 246 99 161	561 99 29 70	102,555 30,843 3,152 12,796	610,096 213,190 14,378 55,561	76,028 23,064 2,577 10,680	154,411 50,255 5,237 21,075	402,352 130,625 10,686 41,050	1,082,610 317,077 25,203 105,949	56,094 18,481 1,674 4,716	r 100,676 23,765 2,921 10,308	804,642 192,333 20,058 66,411

rRevised. (Z) Less than \$500 thousand.

(2) Less than \$500 thousand. *Revised.

1 Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

2 Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

3 Includes expenditures for both plants in operation and for plants under construction but not in operation.

4 The Bridgeport Standard Metropolitan Statistical Area consists of Bridgeport and Shelton cities and Easton, Fairfield, Monroe, Stratford, and Trumbull towns in Fairfield County, and Milford town in New Haven County, Comn.

5 The Hartford Standard Metropolitan Statistical Area consists of Hartford city and Avon, Bloomfield, Canton, East Granby, East Hartford, East Windsor, Enfield, Farmington, Clastonbury, Granby, Manchester, Newington, Rocky Hill, Simsbury, South Windsor, Suffield, West Hartford, Wethersfield, Windsor, and Windsor Locks towns in Hartford County, Cromwell town in Middlesex County, and Andover, Bolton, Coventry, Ellington, and Vernon towns and Rockville city in Tolland County. Conn.

Casor books towns in Harvior county, Comn.

Golland County, Comn.

The Meriden Standard Metropolitan Statistical Area consists of Meriden city in New Haven County, Comn.

The New Britain Standard Metropolitan Statistical Area consists of New Britain city and Berlin, Plainville, and Southington towns in Hartford County,

Orns.

The New British Schadard Metropolitan Statistical Area consists of New Haven city and Bethany, Branford, East Haven, Guilford, Hamden, North Brandford, North Haven, Orange, West Haven, and Woodbridge towns in New Haven County, Comn.

The New London-Groton-Norwich Standard Metropolitan Statistical Area consists of New London and Norwich cities, East Lyme town, Jewett city borough in Griswold town, Groton borough in Groton town, Ledyard, Lisbon, Montville, Old Lyme, Preston, Sprague, Stonington, and Waterford towns in New London

Grisvold town, Groton borough in Groton town, Ledyard, Lasbon, Montville, und Lyme, Freston, Sprague, Standard Metropolitan Statistical Area consists of Norwalk city and Westport and Wilton towns in Fairfield County, Comn.

10 The Norwalk Standard Metropolitan Statistical Area consists of Chicopee, Holyoke, Springfield, and Westfield cities and Agawam, East Longmeadow, Hamden, Longmeadow, Ludlow, Monson, Palmer, Southwick, West Springfield, and Wilbraham towns in Hampden County, Northampton city and Easthampton, Grandy, Hadley, and South Hadley towns in Hampshire County, and Warren town in Worcester County, Mass., also Somers town in Tolland County, Comn.

12 The Standard Metropolitan Statistical Area consists of Standard County, Manaan towns in Fairfield County, Conn.

13 The Waterbury Standard Metropolitan Statistical Area consists of Waterbury city, Naugatuck borough, and Beacon Falls, Cheshire, Middlebury, Prospect, and Wolcott towns in New Haven County, and Thomaston, Watertown and Woodbury towns in Litchfield County, Conn.

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY CROUPS: 1963 AND 1958

(See text for explanation of column captions)

_						196	3				19	 58
			shments,	All emp	lovees		duction wor	kers			433	
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	Value added by manufac- ture (\$1,000)	Capital expend- itures, new1	All employ- ees, number	Value added by manufac- ture (\$1,000)
	All industries, total ²	5,516	1,988	418,706	2,574,734	294,174	602,999	1,567,798	4,477,894	212,905	r _{393,795}	3,188,921
20	Food and kindred products	408	116	11,304	63,936	6,028	12,374	30,083	170,021	7,728	13,204	141,361
201 202	Meat products	39 13 3	12 36	1,341 3,501	6,998 21,950	1,013 1,274	2,166 2,548	5,062 6,582	12,286 50,800	(Z) 3,232	1,590 4,629	10,078 46,271
203	Canned and frozen foods	22	4	298	1,273	234	456	892	9,238	(Z)	315	3,375
208 209	Beverages Miscellaneous foods and	72	24	1,806	9,378	844	1,785	3,950	46,484	1,775	1,697	33,429
	kindred products	28	. 8	683	3,559	413	858	1,891	10,400	599	622	8,224
22 222	Textile mill products	143 8	93 6	13,594 1,472	62,502 7,102	11,819 1,288	24,584 2,679	47,061 5,591	107,336 10,463	5,160 (D)	15,477 1,395	92,533 9,158
223 224	Weaving, finishing mills, wool Narrow fabric mills	12 21	9	1,182 1,196	5,506 5,610	1,071 1,009	2,208 2,014	4,444 3,484	9,504 10,202	(Z) (Z)	1,780 1,163	11,247 6,718
226	Textile finishing, except											
228	Yarn and thread mills	20 15	14 13	1,891 3,740	10,440 15,018	1,609 3,395	3,648 7,053	8,025 12,377	16,196 29,179	1,548 775	2,186 3,448	13,432
229	Miscellaneous textile goods	39	21	2,117	10,197	1,752	3,742	7,734	20,320	(Z)	1,348	10,221
23 232	Apparel and related products Men's and boys' furnishings	328 34	191	16,462 1,856	58,873 6,348	14,777 1,694	26,951 3,140	47,274 5,023	105,269 9,680	1,696 (Z)	17,828 1,690	97,364 7,036
233 234	Women's and misses' outerwear. Women's and children's	121	95	7,088	21,498	6,009	10,601	18,339	40,022	611	6,300	29,675
235	underwear	27 14	22 10	2,977	11,167	2,623	4,952 1,739	8,737	27,098	544 (Z)	3,747 2,488	26,681
238	Millinery, hats and caps Miscellaneous apparel	23	14	1,305 1,239	6,084 4,597	1,073 1,139	2,265	4,349 3,677	6,724 7,487	(Z)	964	16,430 5,074
239 24	Fabricated textiles, n.e.c Lumber and wood products	92 164	20	2,022 1,766	7,076 7,934	1,813	3,468	5,772 5,902	11,793	(Z) 700	1,994	9,974
243	Millwork and related products.	65	7	791	4,208	1,445 619	2,836 1,216	3,002	14,242 6,240	(Z)	589	4,213
249 25	Miscellaneous wood products	30 129	7 37	469	1,902	411	800	1,576	4,458	(Z)	359	2,339
251	Furniture and fixtures Household furniture	78	24	3,855 2,112	19,713 10,306	2,972 1,775	5,982 3,607	13,595 7,824	33,444 17,691	686 (Z)	3,402 2,122	24,966 15,463
26	Paper and allied products	107	66	7,368	43,702	5,868	12,289	31,226	86,627	5,351	8,251	71,121
262 263	Paper mills, except building Paperboard mills	12	6 12	631 1,618	5,072 10,834	540 1,244	1,216 2,806	3,882 7,745	14,848 18,761	(D) 2,690	568 1,674	9,272 17,232
265	Paperboard containers and boxes	49	36	3,692	20,492	2,934	5,934	13,993	35,624	1,562	4,319	32,809
27	Printing and publishing	560	146	17,386	103,224	11,034	22,091	65,287	192,700	9,689	14,230	116,045
271 272	Newspapers Periodicals	77 37	33 7	5,080 1,557	28,264 8,549	2,428	4,469 188	14,606 309	50,392 15,839	1,718 (Z)	4,351 969	37,102 8,366
273 275	Books	24 310	7 63	342	2,259	223 6,176	524 12,598	1,386	4,442 88,470	(Z)	364	2,784 45,900
278	Commercial printing Bookbinding and related work	19	7	7,461 592	44,942 3,119	399	781	35,295 2,351	5,884	5,883 (Z)	6,229 317	2,859
279	Printing trades services	69	21	1,221	10,061	976	2,076	7,727	13,419	1,008	1,118 8,807	10,480
28 282	Chemicals and allied products Fibers, plastics, rubbers	171 18	4 5	2.085	74,356 13,639	6,714 1,531 1,742	13,746 3,224 3,554	37,839 8,926	266,610 35,736	12,675 3,769	1,916	31,987
283 284	Drugs	17 57	5 15	2,493 3,357	17,623 18,715	1,742	3,554 3,297	11,175 6,542	47,557 121,102	(D) 1,894	2,148 1,672	35,524 30,905
30	Rubber and plastics products,											
307	n.e.c	141 95	75 46	17,034 4,653	95,872 24,015	13,419 3,761	26,474 7,441	68,384 17,215	171,444 38,218	8,714 2,971	15,617 3,920	141,757 30,813
31	Leather and leather products	37	24	2,673	9,434	2,448	4,598	7,677	13,839	(Z)	3,456	19,256
32	Stone, clay and glass products	201	63	6,777	40,668	5,277	10,946	28,747	81,461	5,871	6,002	54,050
323 325	Products of purchased glass Structural clay products	11	6	640 300	3,301 1,572	554 268	1,100 557	2,495 1,381	5,779 2,238	(Z) (Z)	597 354	4,997 2,222
326 327	Pottery and related products Concrete and plaster products.	10 125	4 29	657 2,112	3,614 13,679	549 1,576	1,159 3,308	2,823 8,660	6,342 32,243	(Z) 3,143	427 1,771	3,122 18,127
329	Nonmetallic mineral products	29	17	2,746	16,825	2,052	4,217	11,991	31,004	696	2,650	24,229
33 331	Primary metal industries Steel rolling and finishing	230 20 :	123 17	25,809 4,857	169,026 33,693	20,379 3,580	42,442 7,397	124,719 23,489	320,648 71,794	19,703 4,468	25,501 3,129	244,344 31,677
332	Iron and steel foundries	28	22	2,457	14,395	2,048	4,263	11,025	21,106	1,163	2,098	12,517
335	Nonferrous rolling and drawing	62	49	15,250	101,307	12,115	25,257	76,188	192,818	12,407	16,883	174,505
336	Nonferrous foundries	62 884	21 319	1,854	10,663	1,579	3,274	7,950	15,916	641	1,810	12,663
34 342	Fabricated metal products Cutlery, hand tools, hardware.	100	52	40,983 14,547	228,635 80,886	31,583 11,011	64,571 21,768	154,671 54,418	397,054 139,480	28,361 16,467	43,496 16,466	324,734 118,400
344 345	Structural metal products Screw machine products	175 204	48 67	3,569 6,301	21,537 35,554	2,591 4,957	5,188 11,041	13,388 24,526	37,192 66,247	1,495 3,306	3,690 6,633	33,839 50,609
346 347	Metal stampings	101 141	41 31	6,190 2,345	33,760 12,334	4,780 1,987	9,675 4,071	24,278 9,087	60,872 20,295	2,854 806	5,526 1,905	39,259 13,362
348	Fabricated wire products,											
349	n.e.c	72	36	2,650	13,538	2,150	4,653	9,613	21,953	586	2,603	19,509
	n.e.c	55	29	4,198	22,818	3,209	6,376	15,252	39,996	2,405	5,695	40,867
35 353	Machinery, except electrical Construction and like	1,111	249	58,526	374,993	44,424	91,585	258,025	683,324	29,721	59,468	493,082
354	equipment	15 498	5 103	294 15,588	1,733 108,447	219 11,646	24,929	1,089 73,678	1,886 176,007	(Z) 8,158	320 14,956	2,674 120,458
355	Special industry machinery	67 109	18 43	4,207 20,892	29,537 131,518	2,900 15,922	5,920 32,484	17,693 91,109	54,972 248,450	1,899 12,844	4,196 21,345	39,662 179,258
356 357	General industrial machinery Office machines, n.e.c	17	11	9.746	55,473	7,666	14,893	40,606	112,125	3,364	12,183	98,650
358 359	Service industry machines Miscellaneous machinery	33 358	10 52	1,293 4,795	7,452 30,009	881 3,825	1,743 8,450	4,286 21,895	24,328 46,072	801 1,967	1,196 4,313	8,707 33,450
				, , , ,		, ,		,	, -1	,	7	1

See footnotes at end of table.

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958—Continued

(See text for explanation of column captions)

						196	3				19	58
Code	Industry group	Establi num	shments,	All emp	loyees		duction wor	kers	Value	Capital	All	Value
code	mustry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ¹ (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
36 361 362 363 364 366 367	Electrical machinery. Electric distribution products Electric industrial apparatus. Household appliances. Lighting and wiring devices. Communication equipment. Electronic components.	318 39 41 18 63 41 75	163 19 15 15 31 27 39	42,957 3,635 3,366 7,905 7,943 6,680 10,891	248,587 20,209 19,840 44,481 45,221 46,052 58,024	29,824 2,535 2,246 5,962 5,995 3,572 7,738	58,878 5,020 4,600 12,034 11,817 7,500 14,305	142,330 11,498 11,783 25,535 29,619 18,678 33,378	476,181 36,830 38,356 138,655 89,984 70,336 79,526	17,465 1,089 678 3,155 2,676 3,766 4,611	31,687 3,129 3,788 6,773 8,617 2,777 4,566	302,857 28,921 31,139 83,508 75,897 24,596 30,996
37 371	Transportation equipment Motor vehicles and equipment	155 28	66 7	84,784 3,251	616,216 18,407	55,046 2,617	120,720 5,307	347,665 13,593	896,131 28,163	39,001 1,243	70,612 2,475	586,552 23,106
38 381 382 384	Instruments and related products Scientific instruments Mechanical measuring devices Medical instruments and supplies	117 20 35 28	63 6 20 21	16,913 466 6,050	98,715 2,968 37,666 16,278	11,288 308 3,823 2,672	22,541 630 7,668 5,339	56,612 1,657 21,106	184,582 5,173 63,541 34,430	8,821 (2) 3,125 3,039	18,195 1,291 6,164 3,300	132,626 8,514 54,643 22,776
39 391 395	Miscellaneous manufacturing, including ordnance ³	27	116 13	24,204 3,574	136,455 21,414	19,338 3,208	38,498 6,652	97,267 19,027	268,987 36,649	10,596 535	23,012 3,989	201,230 34,909
396 398 399	supplies Costume jewelry and notions Miscellaneous manufactures ³	26 56 113	35 33	1,355 6,162 10,281	7,625 32,060 61,550	917 5,010 7,980	1,816 9,908 15,835	4,076 22,969 41,984	27,222 58,897 123,333	529 2,181 5,922	1,628 5,169 8,941	12,171 36,105 97,423
	Administrative and auxiliary4	-	-	14,468	117,974	_	-	-	-	-	r _{13,464}	-

-Represents zero. (D) Withheld to avoid disclosing figures for individual companies. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand. Revised.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Covernment owned and operated establishments are excluded.

The addition to the approximate and payoral properted for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for

Inspects are excluded.

'In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported <u>separately</u> for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage ware-houses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958 (See text for explanation of column captions)

_	(See text for explanation of column captions) 1963 1958													
						196	3				19	58		
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by		
		Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures,	ees,	manufac- ture		
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)		
				on)										
	All industries, total ²	825	300	67,583	420,733	47,141	97,422	260,611	770,916	31,206	64,749	570,915		
20 202 205	Food and kindred products Dairies Bakery products	44 12 13	18 5 8	1,484 513 672	8,736 3,265 3,687	808 207 491	1,670 451 995	4,250 1,207 2,512	19,022 7,230 6,465	978 (Z) (Z)	2,002 670 970	18,101 9,159 5,450		
22	Textile mill products	11	7	533	1,878	468	910	1,560	3,263	(Z)	748	3,570		
23 233 234	Apparel and related products Women's and misses' outerwear. Women's and children's	52 19	37 16	3,789 1,096	13,669 3,512	3,423 1,013	6,258 1,613	11,582 3,076	32,700 5,022	512 (Z)	3,826 1,122	24,743 3,914		
238	underwear. Miscellaneous apparel.	15 7	11 7	1,674 675	6,401 2,581	1,443 638	2,684 1,291	5,137 2,265	21,430 4,155	(Z) (Z)	1,984 284	17,131 1,772		
26	Paper and allied products	9	7	522	2,993	394	835	1,907	5,211	(Z)	542	4,267		
27 275	Printing and publishing Commercial printing	75 49	15 6	1,492 588	9,212 3,615	984 467	2,004 991	5,945 2,518	15,259 5,784	854 (Z)	1,248 463	11,315 4,004		
28	Chemicals and allied products	21	7	1,103	5,315	755	1,416	3,037	19,110	662	752	11,142		
30 306 307	Rubber and plastics products, n.e.c	28 10 18	14 7 7	2,739 1,841 898	17,177 12,323 4,854	1,927 1,216 711	4,184 2,645 1,539	10,865 7,296 3,569	31,860 23,537 8,323	3,364 2,512 852	2,720 1,937 783	25,049 18,722 6,327		
32	Stone, clay and glass products	28	6	1,740	11,487	1,346	2,800	8,852	21,683	627	1,587	15,372		
33 335	Primary metal industries Nonferrous rolling and	42	23	5,068	35,298	3,934	8,492	26,113	74,161	3,396	5,137	54,702		
336 339	drawing	11	5	3,018 433	21,094 2,338	2,360 387	4,936 847	15,517 2,000	44,173 3,610	1,962 (Z)	3,098 722	42,698 4,320		
	n.e.c	10	3	370	2,231	275	564	1,571	3,822	(Z)	438	4,057		

See footnotes at end of table.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued

(See text for explanation of column captions)

						196	3				19	958 T
Code	Industry group		shments,	All emp	loyees	Pro	duction worl	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ¹ (\$1,000)	ees, number	manufac- ture (\$1,000)
			1			BRI		A—Continued				
34	Fabricated metal products	136	52	7,087	40,673	5,414	11,216	27,453	62,748	5,469	6,734	53,806
342 344	Cutlery, hand tools, hardware. Structural metal products	23 31	14 5	3,086 572	17,389 3,452	2,380 373	4,913 751	11,959 1,759	24,603 5,690	4,014 (Z)	2,869 545	22,570 4,884
345	Screw machine products	22	7	535	3.182	428	1,021	2,183	5,852	(Z)	412	3,136
346 347	Metal stampings Metal services, n.e.c	14 28	7 8	439 684	2,790 3,733	330 588	740 1,214	1,775 2,786	4,102 5,791	(Z) (Z)	322 578	2,992 3,789
349	Fabricated metal products,	11	8	1,445	8,462	1,046	2,058	5,846		654	1,577	
35	Machinery, except electrical	229	40	6,407	43,892	5,027	10,682	32,158	14,187 73,838	2,750	7,205	13,643
354	Metalworking machinery	121	23	4,010	29,286	3,261	6,956	22,286	47,103	1,877	3,595	32,980
356 359	General industrial machinery Miscellaneous machinery	24 60	6 4	565 412	3,682 2,210	407 339	882 697	2,264 1,769	6,539 3,594	(Z) (Z)	506 1,075	4,325 7,859
36	Electrical machinery	42	26	10,079	60,461	7,203	14,729	37,913	138,830	3,431	8,812	112,946
363 364	Household appliances Lighting and wiring devices	5 14	4	3,516 3,478	21,049 20,786	2,484 2,571	5,135 5,017	12,964 13,425	68,742 37,832	951 1,071	3,218 3,119	46,215
37	Transportation equipment	26	11	17,758	121,728	10,785	22,705	64,077	187,868	6,205	14,925	106,685
38	Instruments and related products	16	10	2,103	11,991	1,432	2,964	8,650	23,975	624	3,241	27,268
382	Mechanical measuring devices	7	6	1,935	11,362	1,289	2,683	8,168	22,907	593	1,922	18,718
39 395	Miscellaneous manufacturing, including ordnance ³ Pens, pencils and office	34	17	3,539	20,463	2,766	5,571	14,328	57,721	1,731	2,756	34,698
	supplies	6	6	422	2,167	295	591	1,230	12,841	(Z)	207	946
	Administrative and auxiliary4	_	-	1,582	13,297	-	-	-	-	-	1,847	
					(See f	ootnotes at		RD SMSA le 2 for SMS	A descriptio	n)		
	All industries, total ²	926	309	89,478	584,734	57,543	120,645	329,283	972,092	40,716	88,533	722,875
20	Food and kindred products	90	30	3,177	17,639	1,668	3,466	8,562	71,252	2,119	3,352	46,376
201 202	Meat products	11 31	5 10	343 1,047	1,476 6,267	262 373	602 693	1,081 1,859	3,777 18,495	(Z) 1,010	304 1,147	2,280
205	Bakery products	20	6	929	5,555	481	1,028	2,890	11,385	(Z)	1,151	9,519
22	Textile mill products	17	12	2,461	11,773	2,041	4,041	8,550	16,378	(Z)	2,592	14,58
23	Apparel and related products	21	9	1,295	4,761	1,159 897	2,193	3,970	7,632	(Z)	1,478	9,65
233 26	Women's and misses' outerwear. Paper and allied products	6 23	6	973	3,360 7,588	960	1,690 2,067	2,974 5,605	5,268 16,920	(Z) 853	1,075 1,381	8,056 14,091
264	Paper and paperboard products.	12	3	466	2,089	355	693	1,606	4,110	(Z)	554	4,05
27 275	Printing and publishing	121	33	3,516	19,252	2,088 985	4,181	11,199	48,757	1,370	2,942	24,581
2/3	Commercial printing	€8 20	18	1,333	7,832 6,266	656	2,093 1,347	5,351 3,358	29,733 14,248	626 653	1,078 1,066	8,668
32	Stone, clay and glass products	35	12	853	5,358	701	1,523	4,050	13,026	896	799	9,44
327	Concrete and plaster products.	22	8	520	3,644	411	899	2,678	10,824	797	491	6,550
34 342	Fabricated metal products Cutlery, hand tools, hardware.	134	40	4,143 483	25,445	3,113 350	6,615 740	17,341	46,522	1,627	(D) (D)	(D
343	Plumbing and heating, except	16			3,022			2,027	5,342	(Z)		
344	electric Structural metal products	7 42	5 13	358 871	1,980 5,631	269 659	565 1,419	1,397 3,976	3,768 9,528	(Z) (Z)	472 614	4,056 5,579
345 348	Screw machine products	26	6	1,305	8,373	906	1,821	. 5,151	15,992	603	1,934	19,338
240	Fabricated wire products,	9	5	543	2,888	446	1,063	2,144	4,086	(Z)	376	3,090
35	Machinery, except electrical	226	68	16,723	104,112	13,014	26,693	72,982	198,808	7,838	19,283	147,992
354 356	Metalworking machinery General industrial machinery	99 17	29	5,355 1,499	38,111 9,590	3,775 1,115	8,219 2,339	23,738 6,191	59,985 19,755	3,861 818	5,131 2,951	38,70
358 359	Service industry machines Miscellaneous machinery	8 84	5 18	836 1,266	4,674 9,439	619 1,005	1,227 2,363	3,020 6,882	20,378 13,673	708 564	1,089 1,024	7,905 8,680
36	Electrical machinery	49	22	4,551	23,374	3,606	7,332	16,251	41,387	1,747	3,702	32,148
363	Household appliances	5	4	913	4,004	817	1,817	3,255	6,597	(Z)	485	3,39
367 39	Electronic components Miscellaneous manufacturing,	8	5	688	3,542	491	825	2,094	4,099	(Z)	540	3,769
29	including ordnance3	38	9	1,711	9,969	1,420	2,702	7,322	38,744	570	1,775	34,660
	Administrative and auxiliary4		_	5,663	43,559		-	-	-	-	4,244	
					(See f	ootnotes a		VEN SMSA le 2 for SMS	A descriptio	n)		
	All industries, total ²	726	280	42,990	252,687	30,751	62,043	156,049	414,623	27,613	42,527	331,572
20	Food and kindred products	72	19	2,232	13,878	1,227	2,401	6,471	28,765	1,298	2,781	26,941
201	Meat products	9 13	4 4	672 588	4,156 4,802	488 211	927 403	2,905 1,117	5,924 9,519	(Z) 589	775 1,049	5,002 12,446
202 205	Bakery products	23	5	387	2,005	245	486	1,207	3,810	(2)	387	2,954
208	Beverages	12	4	423	2,166	162	342	711	7,825	(Z)	443	5,210
	Textile mill products	7	5	526	2,882	449	1,021	2,098	5,815	524	507	3,946
22		- 00		1 700	7 5 500	2 7772	6 001	11 001	27 000	(0)	1 000	00 700
23 232	Apparel and related products Men's and boys' furnishings	97 21 42	60 11 36	4,198 912 1,952	15,529 3,443 7,069	3,783 807 1,808	6,884 1,551 3,100	11,791 2,468 5,638	27,900 5,187 15,341	(Z) (Z) (Z)	4,337 989 1,875	22,732 4,365 8,756

See footnotes at end of table.

CONNECTICUT

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEDS: 1963 AND 1958—Continued

(See text for explanation of column captions)

		1963									19	58
		Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
						NEW HAVE	N SMSA—Comi	tinued				
25	Furniture and fixtures	20	4	347	1,746	305	579	1,332	2,669	(Z)	543	2,796
26	Paper and allied products	15	11	1,608	9,017	1,245	2,531	6,368	17,711	657	1,897	15,712
27	Printing and publishing	85	29	2,792	17,180	2,083	4,119	12,527	26,508	1,537	2,746	20,888
275 279	Commercial printing Printing trades services	46 11	16	1,374 294	8,858 2,205	1,142 225	2,406 477	7,214 1,738	12,197 3,072	1,169 (Z)	1,314 363	9,248
28	Chemicals and allied products	36	2	393	3,040	164	345	795	5,462	1,435	225	3,405
32	Stone, clay and glass products	26	15	927	5,747	680	1,528	3,538	11,127	1,007	829	7,125
327	Concrete and plaster products.	1.3	8	596	3,968	422	986	2,319	7,330	923	476	3,975
33 331 332 335	Primary metal industries Steel rolling and finishing Iron and steel foundries Nomferrous rolling and	41 5 7	20 4 4	3,736 1,197 270	23,249 8,355 1,274	2,761 869 236	5,607 1,686 426	14,996 5,475 992	33,733 13,179 1,534	3,791 (Z) (Z)	4,051 1,176 298	33,993 13,266 1,640
336	drawing Nonferrous foundries	10 11	8 4	1,578 647	9,620 3,731	1,087 536	2,305 1,117	5,803 2,542	13,263 5,405	3,094 (Z)	2,086 469	15,152 3,677
34	Fabricated metal products	80	33	3,820	21,504	2,926	5,977	13,860	39,659	5,498	4,312	33,898
342 344	Cutlery, hand tools, hardware. Structural metal products	13 27	5 8	1,717 515	9,985 2,836	1,327	2,750 776	6,360 1,839	17,209 5,250	(D) (Z)	1,897 980	14,135
345 348	Screw machine products Fabricated wire products, n.e.c.	11	5	268 663	1,715	198	451 990	1,024 2,537	4,631 5,572	(Z) 980	160 236	1,316 2,197
35	Machinery, except electrical	109	27	3,084	19,089	2,086	4,460	11,403	29,174	1,316	2,095	16,230
354	Metalworking machinery	34	12	846	5,140	633	1,314	3,487	8,531	(Z)	845	7,112
36	Electrical machinery	29	13 5	2,346	13,840	1,580	3,167	7,829	26,193	712	1,479	8,718
38 39	Instruments and related products Miscellaneous manufacturing,	10)	1,143	6,582	629	1,225	2,809	10,168	(Z)	1,923	13,504
	including ordnance	43	20	5,897	34,334	4,396	8,758	22,580	50,905	4,601	5,437	32,919
398 399 190	Miscellaneous manufactures3	26	13	4,481	27,034	4,299	7,482	20,470	37,423	3,305	4,124	22,913
	Administrative and auxiliary	-	-	784	7,373	-	-	-	-	-	312	-
					(See fo	otnotes at	WATERBURY end of table		description)		
	All industries, total ²	463	167	37,745	222,904	28,576	57,577	150,312	423,049	15,519	37,411	301,555
20 205	Food and kindred products Bakery products	2 0	6 1	896 282	5,600 1,847	495 151	1,004	2,674 805	14,837 2,926	(2) (2)	951 302	15,328 2,833
23	Apparel and related products	12	8	874	2,821	828	1,629	2,446	2,795	(z)	971	3,048
233	Women's and misses' outerwear.	6	5	345	1,124	327	654	997	1,315	(Z)	289	1,036
27	Printing and publishing	31	7	1,269	6,707	853	1,680	4,383	10,160	(Z)	827	5,811
32	Stone, clay and glass products	12 21	4 16	384	1,849 36,834	296 4,286	592 8,909	1,169 28,293	3,250 68,939	(Z)	406	2,964
33 335	Primary metal industries Nonferrous rolling and drawing	12	11	5,366 4,856	33,739	3,869	8,084	26,041	63,862	3,164 2,891	6,061 5,556	59,261 55,519
34 342	Fabricated metal products	165	57 3	7,561 379	42,483 2,124	6,033 317	12,425 638	30,093	74,213	3,587	7,442 326	51,308
344	Cutlery, hand tools, hardware. Structural metal products	14	5	298	1,628	228	430	1,606 1,125	3,728 2,964	(Z) (Z)	158	3,266 1,184
345	Screw machine products	63 37	21	1,604	8,683	1,322	3,013	6,556	15,362	866	1,607	11,444
346 347	Metal stampings Metal services, n.e.c	24	16 9	4,243 670	24,792 3,348	3,284 584	6,511 1,176	17,082 2,352	43,749 5,085	2,146 (Z)	4,366 547	30,050 3,928
35	Machinery, except electrical	102	19	3,866	24,065	2,754	5,594	15,083	45,026	1,605	3,433	28,256
354 359	Metalworking machinery Miscellaneous machinery	60 26	8	1,593 927	10,784 5,331	1,200 700	2,466 1,432	7,152 3,601	19.254 8,749	625 (Z)	1,502 681	11,601 5,174
36	Electrical machinery	12	7	1,132	5,967	778	1,683	3,432	9,825	(Z)	(D)	(D)
38	Instruments and related products	14	13	5,334	29,114	3,791	7,387	17,480	59,188	2,314	4,992	33,591
387	Watches, clocks, and watchcases	6	5	3,218	17,334	2,296	4,413	10,097	36,328	(Z)	3,084	17,993
39 396	Miscellaneous manufacturing, including ordnance ³ Costume jewelry and notions	32 23	14 13	1,728 1,640	10,136 9,704	1,419 1,348	2,864 2,717	7,126 6,825	18,774 18,192	638 602	1,799 1,768	14,122 13,438
370	Administrative and auxiliary4	_		1,148	9,296		_	_	-	_	770	,
	Humititoorative and advirtally			-,0	-,							

⁻ Represents zero. (D) Withheld to avoid disclosing figures for individual companies. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand.

thousand.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.



PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

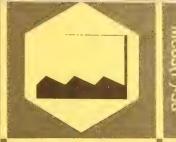
POSTAGE AND FEES PAID

U.S. DEPARTMENT OF COMMERCE

OFFICIAL BUSINESS







preliminary report

Area series

DELAWARE

Value added by manufacturing in 1963 in the State of Delaware amounted to \$666 million, an increase of 23 percent from 1962 and 59 percent from 1958. Of this total, \$182 million was contributed by the Chemicals and Allied Products Industry the leading industry group in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1 .-- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments, ber	All emp	oloyees ¹	Pr	oduction worke	rs	Value	Capital	Index of	
You	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	548 (NA) (NA) (NA) (NA) 547	230 (NA) (NA) (NA) (NA) 222	79,803 r57,262 r55,645 r58,703 r58,004 r57,830	437,800 r376,504 r358,347 r371,010 r359,448 r347,603	31,161 29,314 28,214 31,645 31,015 29,966	62,998 58,203 55,481 61,022 61,069 57,283	163,386 145,479 132,409 146,184 136,856 125,244	666,245 542,442 464,455 516,461 517,214 419,831	65,685 57,788 58,244 31,826 25,079 27,926	103 99 96 102 100	159 129 111 123 123 100

(NA) Not available. Revised

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

May 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours. --This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages.--This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

DELAWARE

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

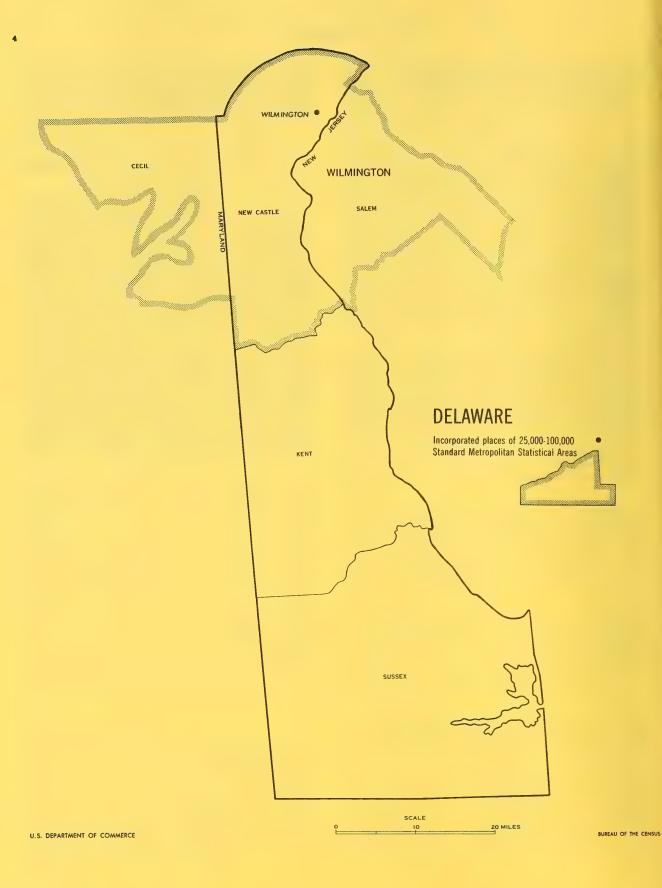
The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



DELAWARE 5

Table 2. — GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

					196	3				19	58
State, standard metropolitan statistical areas,		shments, ber	All emp	loyees ²	Pro	duction wor	kers	Value	Capital	All	Value
and counties1	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
DELAWARE, TOTAL	548	230	59,803	437,800	31,161	62,998	163,386	666,245	65,685	^r 57,830	419,831
Wilmington ⁴ . Portion in Delaware. Portion in New Jersey. Portion in Maryland. COUNTIES ¹	460 338 59 63	192 144 23 25	60,722 46,444 10,895 3,383	476,235 376,095 82,860 17,280	31,098 21,401 7,245 2,452	62,554 44,126 13,435 4,993	182,492 126,450 45,775 10,267	708,126 487,920 190,013 30,193	52,490 29,741 (D) (D)	58,709 46,025 10,481 2,203	470,820 312,301 142,933 15,586
Kent New Castle. Sussex.	69 338 141	29 144 57	4,665 46,4 8,694	18,433 376,095 43,272	3,235 21,401 6,525	5,965 44,126 12,907	10,160 126,450 26,776	50,167 487,920 128,158	(D) 29,741 (D)	4,366 46,025 7,439	35,868 312,301 71,662

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY CROUPS: 1963 AND 1958 (See text for explanation of column captions)

						196	3				19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures,	ees,	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total ²	548	230	59,803	437,800	31,161	62,998	163,386	666,245	65,685	°57,830	419,831
20	Food and kindred products	125	63	6,346	24,659	4,843	9,404	15,488	56,143	2,923	6,273	51,723
201 202	Meat products	20	12	1,704	5,658	1,504	3,072	4,633	10,539	579 (Z)	1,774 786	8,638
202	Dairies	21 30	6 25	551 2,388	2,958 6,684	2,219	522 3,877	1,191 5,492	8,669 16,049	858	2,231	9,764 9,567
204	Grain mill products	17	8	508	2,788	243	573	1,170	9,098	(z)	626	14,092
205	Bakery products	14	5	654	3,998	335	711	1,820	6,308	(z)	289	3,673
208	Beverages	10	4	300	1,588	82	170	352	3,091	(Z)	254	2,350
22	Textile mill products	15	9	2,197	10,820	1,606	3,431	6,625	16,579	500	2,317	11,136
23	Apparel and related products Men's and boys' furnishings	28	18	3,086 476	12,484 1,225	2,184 455	3,772 811	6,580 1,127	29,136 1,394	(Z) (Z)	3,308 505	28,390 1,408
24	Lumber and wood products	50	12	884	2,663	712	1,294	1,968	5,424	(Z)	940	3,348
27	Printing and publishing	60	13	1.349	8,609	870	1.658	5,405	14,132	911	1,276	10,688
271	Newspapers	15	3	658	4,530	320	569	2,375	8,023	(2)	630	5,962
275	Commercial printing	37	8	604	3,625	485	964	2,709	5,500	(Z)	597	4,398
28 30	Chemicals and allied products Rubber and plastics products.	39	21	7,587	55,239	4,802	9,832	30,429	181,965	41,037	5,653	92,906
50	n.e.c	12	7	2,918	17,061	2,246	4,481	11,851	28,324	3,047	2,016	15,233
31	Leather and leather products	10	10	1,718	7,306	1,384	2,783	5,509	17,099	(Z)	1,738	12,014
32	Stone, clay and glass products	40	13	853	4,189	665	1,407	3,125	10,857	1,021	775	7,049
327	Concrete and plaster products.	34	11	758	3,763	592	1,262	2,800	10,346	973	541	4,895
33	Primary metal industries	10	7	2,365	14,963	1,938	3,593	10,835	19,887	1,371	2,952	21,093
34	Fabricated metal products	38	17	1,916	11,290	1,417	2,842	7,340	24,733	633	2,341	21,659
344	Structural metal products	23	9	750	4,335	557	1,135	2,703	11,797	(Z)	686	6,542
35	Machinery, except electrical	47	10	1,317	10,919	842	1,720	5,263	11,661	1,124	2,143	12,201
	Administrative and auxiliary3	-	-	17,547	185,448	-	-	-	-	-	17,339	-

⁽D) Withheld to avoid disclosing figures for individual companies, "Revised.

1 Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

2 Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

3 Includes expenditures for plants under construction but not in operation.

4 The Wilmington Standard Metropolitan Statistical Area consists of New Castle County, Del., Salem County, N.J., and Cecil County, Md.

⁻ Represents zero. n.e.c. Not elsewhere classified. (2) Less than \$500 thousand. Revised.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for industriation in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups, Additional detail will appear in the final report for the State.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

Table 4, —CERERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

(See text for explanation of column captions)

						196	3				19	58
Code	Industry group		shments,	All emp	loyees	Pro	duction wor	kers	Value	Capital	All employ-	Value added by
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	manufac- ture (\$1,000)
			1		(4-)/	WILMING		JMD. SMSA	(4=)***/	(1-) /		1 (1-)
				(Consist	s of New Ca	stle County	, Del., Sal	em County, N	.J. and Ceci	1 County, M	1.)	
	All industries, total ²	460	192	60,722	476,235	31,098	62,554	182,492	708,126	52,490	58,709	470,820
20 201 202 205 208	Food and kindred products. Meat products. Dairies Bakery products. Beverages	14	32 5 9 5 4	2,619 328 604 651 271	12,652 973 3,358 3,993 1,463	1,537 275 250 333 73	2,817 407 527 707 151	5,912 759 1,188 1,817 317	31,251 1,486 9,785 6,311 2,788	1,210 (Z) (Z) (Z) (Z) (Z)	2,648 465 857 291 230	25,966 3,119 10,527 3,643 2,106
22 225	Textile mill products	11 5	10 5	2,245 399	10,781 1,393	1,662 358	3,481 664	6,678 1,058	18,452 2,380	533 (Z)	(D) 243	(D) 1,506
23 233	Apparel and related products Women's and misses' outerwear.	22 11	12 7	1,016 388	3,336 944	931 356	1,598 524	2,743 787	4,767 1,419	(Z) (Z)	(D) 558	(D) 1,531
24	Lumber and wood products	31	4	292	1,225	244	438	803	2,488	(Z)	348	1,651
27	Printing and publishing	52	14	1,350	8,605	892	1,714	5,464	14,195	911	1,248	10,567
30	Rubber and plastics products,	13	8	3,051	17,553	2,364	4,736	12,220	29,067	3,142	2,373	16,997
31	Leather and leather products	10	9	1,244	5,981	1,008	1,999	4,555	9,232	(Z)	1,619	11,410
32	Stone, clay and glass products	32	13	2,486	12,362	2,126	4,063	10,123	25,138	1,915	2,590	23,134
33	Primary metal industries	11	8	2,688	16,642	2,223	4,197	12,269	22,638	1,575	2,963	21,132
34 344	Fabricated metal products Structural metal products	39 22	17 8	1,681 487	10,012	1,275 394	2,583 838	6,985 2,249	21,456 7,920	649 (Z)	2,240 662	20,711 6,283
35	Machinery, except electrical	46	8	1,189	10,287	758	1,546	4,866	10,973	1,078	1,914	10,689
	Administrative and auxiliary3	-	_	17,437	185,043	-	-	-	-	-	17,328	-

- Represents zero. n.e.c. Not elsewhere classified. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand.

*Includes expenditures for plants under construction but not in operation.

*The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State,

*In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage ware-houses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

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1963 CENSUS OF MANUFACTURES



Area series

DISTRICT OF COLUMBIA

preliminary report

Value added by manufacturing in 1963 in the District of Columbia amounted to \$261 million, an increase of 6 percent from 1962 and 32 percent from 1958. Of this total, \$163 million was contributed by the printing and publishing industries and \$55 million by the food and kindred products industries, the two leading industry groups in the District of Columbia.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. For 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE DISTRICT: 1958-1963

(See text for explanation of column captions)

Year	Establis num		All emp					Capital	Index of (1958		
	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	557 (NA) (NA) (NA) (NA) (NA)	154 (NA) (NA) (NA) (NA) (NA)	22,262 22,687 23,139 23,115 22,457 21,334	148,025 141,441 138,693 134,447 126,334 113,949	11,403 11,255 11,667 11,661 11,772 11,176	21,643 21,002 21,958 21,874 22,562 21,270	65,028 59,415 59,588 58,507 56,553 52,800	260,511 245,124 243,849 239,226 229,098 198,089	13,491 (15,133) (15,815) (22,215) (21,133) 14,732	108	132 124 123 121 116 100

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parentheses may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

April 1,65

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS.



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

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CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>—This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

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Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

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Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

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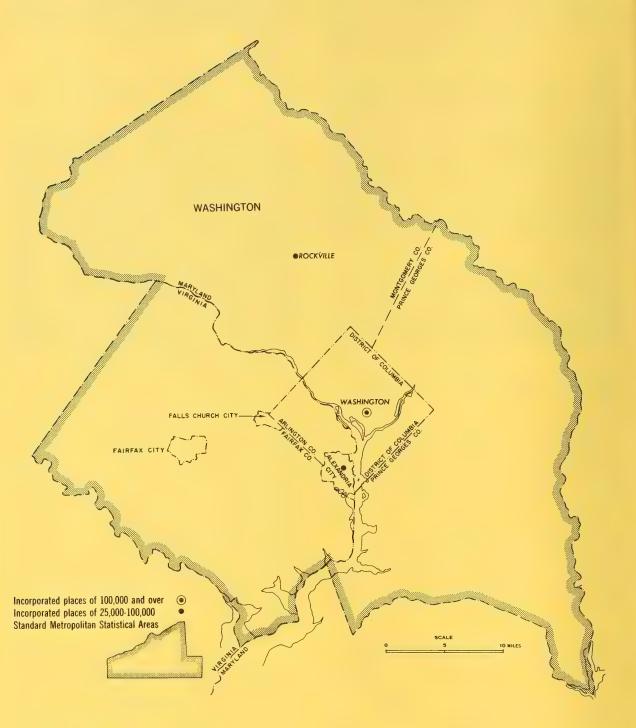
smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

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1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

Washington, D.C.-Md.-Va., SMSA



U.S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

Table 2.--GENERAL STATISTICS FOR THE DISTRICT AND STANDARD METROPOLITAL STATISTICAL AREA: 1 < ANI 1,50

(See text for explanation of column captions)

	1963										1958	
State, standard metropolitan statistical areas,	Establishments,		All emp	loyees ¹	vees 1 Production workers			Value		All	Value	
and counties	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	manufac- i	expend- itures, new ² (\$1,000)	employ- ees, number 1	added by manufac- ture (\$1,000)	
DISTRICT OF COLUMBIA, TOTAL STANDARD METROPOLITAN STATISTICAL AREAS	557	154	22,262	148,025	11,403	21,643	65,028	260,511	13,491	21,334	198,089	
Washington, D.CMfVa. ³ Portion in Maryland Portion in Vashington, D.C. Portion in Virginia. COUNTIES (Not applicable to the District of	1,200 417 557 226	354 125 154 75	49,899 15,908 22,262 11,729	322,796 106,265 148,025 68,506	27,874 8,917 11,403 7,554	55,807 19,005 21,643 15,159	154,097 48,878 65,028 40,191	524,768 154,643 260,511 109,614	31,577 9,250 13,491 8,836	35,020 9,190 21,334 4,496	312,152 80,514 198,089 33,549	

¹ Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Table 3.--GENERAL STATISTICS FOR THE DISTRICT, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

			1958									
Code	Industry group	Establishments, number		All employees		Production workers			Value added by	Capital	All	Value
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	manufac- ture (\$1,000)	expend- itures, new (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
	All industries, total ²	557	154	22,262	148,025	11,403	21,643	65,028	260,511	13,491	21,334	198,089
20 202 205	Food and kindred products Dairies Bakery products	56 6 19	30 6 12	4,544 1,802 1,752	28,912 12,541 10,835	1,931 458 971	4,053 1,007 1,913	10,352 2,855 5,308	55,439 22,871 20,557	1,882 1,279	5,648 2,421 1.663	54,154 23,023 16,932
209	Miscellaneous foods and kindred products	16	6	471	2,560	288	658	1,254	8,014	(Z)	572	5,769
27 271 272	Printing and publishing Newspapers Periodicals	316 25 76	77 8 18	13,145 4,672 3,264	89,591 29,705 25,615	6,660 2,774 131	4,250 203	40,48 9 16,40 7 658	162,979 55,167 57,238	8,783 1,099 6,128	12,136 3,846 3,319	117,333 35,491 39,298
273 275 279	BooksCommercial printingPrinting trades services	24 137 25	26 13	1,073 2,905 625	6,496 19,699 4,205	736 2,305 502	1,451 4,653 1,012	4,525 14,592 3,239	10,410 28,494 6,122	(2) 1,087 (Z)	663 3,332 407	5,799 28,180 3,878
32 327	Stone, clay and glass products Concrete and plaster products.	17 9	13 8	983 657	5,682 4,151	797 501	1,673 1,093	3,961 2,706	12,384 9,122	1,461 1,410	676 523	7,037 5,954
34 344	Fabricated metal products Structural metal products	24 15	6	482 375	2,894 2,397	403 312	711 532	2,270 1,863	3,833 3,003	(Z) (Z)	549 472	4,642 3,947
39	Miscellaneous manufacturing Administrative and auxiliary3	23	4	253 841	1,468 8,367	182	356 -	1,017	2,081	(Z)	186 516	1,307

²Includes expenditures for plants under construction but not in operation.

³The Washington, D.C.-Md.-Va. Standard Metropolitan Statistical Area consists of the District of Columbia, Alexandria, Fairfax, and Falls Church cities and Arlington and Fairfax Counties, Va., Montgomery and Prince Georges Counties, Md.

⁻ Represents zero. (Z) Less than \$500 thousand.

*Includes expenditures for plants under construction but not in operation.

*The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

*In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported **separately* for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

1963 CENSUS OF MANUFACTURES

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958 (See text for explanation of column captions)

		1963										1958	
Code	Industry group		shments, ber	All employees		Production workers			Value added by	Capital	All employ-	Value added by	
	Hidde of a Broad	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures,	ees, number	manufac- ture	
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
		(Cor	nsists of	the Distric	WASHINGTON, D.CMDVA. SMSA e District of Columbia, Alexandria, Fairfax, and Falls Church cities and Arl Counties, Va.; Montgomery and Prince Georges Counties, Md.)							airfax	
	All industries, total ²	1,200	354	49,899	322,796	27,874	55,807	154,097	524,768	31,577	35,020	312,152	
20 202 205 208 209	Food and kindred products Dairies. Bakery products. Beverages.		59 13 15 12	7,780 2,533 2,133 1,349	47,497 16,851 13,270 8,174	3,453 708 1,196 424	7,463 1,493 2,391 1,032	17,716 4,204 6,622 1,670	100,881 33,303 26,541 19,486	4,677 1,684 (Z) 1,884	7,777 3,086 2,040 1,098	77,041 29,691 21,419 12,616	
209	Miscellaneous foods and kindred products	24	11	980	4,971	593	1,319	2,410	14,583	587	783	7,480	
24	Lumber and wood products	58	9	654	2,933	522	990	2,138	4,082	(Z)	518	1,810	
25	Furniture and fixtures	45	9	532	2,532	383	761	1,610	4,276	(Z)	534	2,959	
27 271 275	Printing and publishing Newspapers Commercial printing	460 49 207	102 13 35	15,744 5,151 3,959	105,027 32,280 26,048	8,248 3,064 3,125	15,064 4,811 6,234	49,491 17,958 19,351	191,548 62,065 38,981	10,822 2,355 1,450	13,478 4,105 4,190	128,000 36,978 35,298	
28	Chemicals and allied products	44	11	1,225	6,295	802	1,637	3,432	15,771	520	995	9,126	
32 327	Stone, clay and glass products Concrete and plaster products.	74 53	41 32	2,720 2,168	15,279 12,492	2,133 1,648	4,742 3,757	10,966 8,734	34,097 28,737	6,029 5,844	1,910 1,490	18,001 14,588	
34 344	Fabricated metal products Structural metal products	92 67	33 31	2,829 2,498	16,201 14,359	1,909 1,635	3,860 3,301	9,656 8,357	23,300 20,203	1,464 677	2,140 2,001	18,481 17,179	
35	Machinery, except electrical	61	13	1,349	6,717	798	1,629	3,518	11,414	585	863	6,345	
38	Instruments and related products	44	15	1,171	6,722	797	1,935	4,140	10,135	(Z)	634	5,653	
39	Miscellaneous manufacturing, including ordnance3	54	9	1,451	9,955	698	1,407	4,305	13,072	909	487	2,946	
	Administrative and auxiliary4	-	-	2,954	32,130	-	-	-	-	-	974	-	

⁻ Represents zero. (2) Less than \$500 thousand.

¹Includes expenditures for plants under construction but not in operation.

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³Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

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PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

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U.S. DEPARTMENT OF COMMERCE





1963 CENSUS OF MANUFACTURES



preliminary report

Area series

FLORIDA

Value added by manufacturing in 1963 in the State of Florida amounted to \$2,326 million, an increase of 11 percent from 1962 and 65 percent from 1958. Of this total, \$499 million was contributed by the food and kindred products industries and \$315 million by the chemicals and allied products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments, ber	All emp	oloyees ¹	Pr	oduction worke	rs	Value	Capital	Index of	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	7,331 (NA) (NA) (NA) (NA) (NA) 6,304	1,821 (NA) (NA) (NA) (NA) 1,526	217,629 199,375 192,537 191,281 185,618 171,257	1,098,797 f969,268 r895,991 r844,924 r781,494 r680,521	148,413 135,760 133,374 134,817 135,342 125,089	305,067 280,313 272,342 272,765 278,429 247,753	628,315 547,801 510,435 499,028 486,245 434,529	2,326,335 2,092,405 1,884,165 1,794,585 1,677,259 1,410,843	185,666 191,647 225,353 153,291 156,292 152,303	127 116 112 112 108 100	165 148 133 127 119 100

(NA) Not available. Revised.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

July 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS,



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u> --This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. -- This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1967: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

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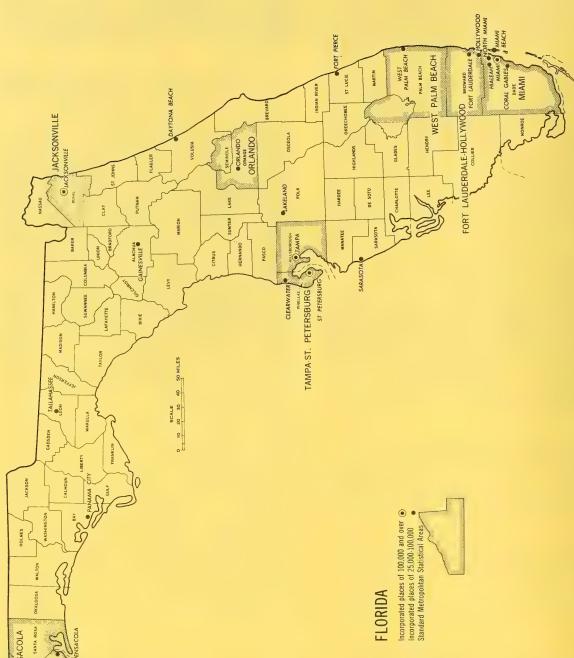
smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

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PENSACOLA



BUREAU OF THE CENSUS

FLORIDA

Table 2.--GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1993 ANT 1957 (See text for explanation of column captions)

					196	3				19	58
State, standard metropolitan statistical areas,	Establi num	shments,	All emp	loyees ²	Pro	duction wor	kers	Value added by	Capital	All employ-	Value added by
and counties ¹	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ³ (\$1,000)	ees, number ²	manufac- ture (\$1,000)
FLORIDA, TOTAL	7,331	1,821	217,629	1,098,797	148,413	305,067	628,315	2,326,335	185,666	r _{171,257}	.,41 ,343
STANDARD METROPOLITAN STATISTICAL AREAS											
Fort Lauderdale-Hollywood ⁴ Jacksonville ⁵ Mišami ⁶ Orlando ⁷ Pensacola ⁸ Tampa-St. Petersburg ⁹ West Palm Beach ¹⁰	578 536 1,905 362 136 1,134 304	116 183 529 100 43 270 64	9,837 20,480 43,627 19,795 13,180 37,545 11,960	43,725 102,007 189,513 124,949 76,118 190,885 73,875	6,804 14,770 31,791 8,508 10,170 25,872 6,357	13,559 29,578 63,002 17,317 20,963 53,201 13,478	26,833 64,780 119,787 36,846 53,376 111,594 33,642	78,310 241,707 362,829 235,125 215,090 406,697 138,624	4,234 10,546 20,168 15,569 28,253 21,632 6,906	6,312 19,228 36,893 10,800 12,595 32,219	40,051 176,641 252,123 112,384 178,665 235,584 25,900
Alschus. Bay. Bradford. Brevard. Broward. Clay. Columbia. Dade. De Soto. Dixie.	72 63 17 99 578 28 41 1,905 29	23 14 4 32 116 4 11 529 3	2,971 1,998 538 4,478 9,837 491 919 43,627 337 363	13,998 11,358 2,271 31,802 43,725 1,705 3,359 189,513 1,166 1,149	2,319 1,550 476 1,688 6,804 345 802 31,791 255 317	4,702 3,183 849 3,708 13,559 696 1,671 63,002 549 648	9,255 7,474 1,849 8,927 26,833 908 2,717 119,787 892 915	23,805 31,069 2,618 35,653 78,310 5,466 8,249 362,829 3,463 1,799	3,843 6,011 (z) 3,618 4,234 500 (C) 20,168 (Z) (Z)	2,208 2,151 644 2,112 6,312 450 563 36,893 201 293	13,889 34,249 2,892 12,944 40,051 2,196 4,147 252,123 1,282 995
Duyal, Gadsden, Hardee Hillsborough, Indian River,	536 46 11 629 35	183 15 4 193 9	20,480 1,398 255 23,052 1,120	102,067 3,829 794 107,055 5,492	14,770 1,198 227 17,393 781	29,878 2,264 442 35,679 1,642	64,780 2,933 636 72,183 3,469	241,707 6,637 2,615 261,396 8,479	10,546 (Z) (Z) 13,047 564	19,228 1,686 36+ 22,441 452	176,641 5,888 2,761 172,659 2,914
Jackson. Lake. Lee. Leon. Liberty.	56 87 81 72 18	8 21 14 17 3	1,152 1,541 911 1,552 256	3,511 5,834 3,617 6,251 860	1,017 1,266 655 1,099 223	2,131 2,561 1,362 2,238 430	2,905 4,271 2,265 3,907 695	12,687 15,530 6,402 12,248 1,477	(Z) 836 (Z) (Z) (Z)	924 1,022 855 1,799 273	2,654 11,508 5,221 2,479 1,643
Madison. Manatee Marion Monroe Nassau	48 88 97 37 52	6 22 24' 6 3	635 2,097 1,856 396 1,989	1,939 9,566 7,169 1,204 11,399	572 1,606 1,568 270 1,735	1,184 3,562 3,212 512 3,550	1,654 6,727 5,592 723 9,278	.5,127 23,531 17,984 2,511 33,715	(5) 1,934 1,116 (2) 3,727	1,661 1,626 271 1,852	1,643 14,134 11,888 1,606 17,653
Okaloosa. Orange Osceola. Palm Beach. Pinellas.	35 310 26 304 505	5 85 8 64 77	567 18,443 496 11,960 14,493	1,737 119,344 1,942 73,875 83,830	503 7,401 393 6,357 8,479	982 15,129 791 13,478 17,522	1,492 32,653 1,500 33,642 39,411	2,953 222,659 4,495 138,624 145,301	(2) 14,490 (2) 6,906 8,585	9,992 311 13,423 9,778	1,891 106,672 1,324 25,900 62,925
Polk. Putman St. Johns. St. Lucie. Sarasota.	248 65 42 30 144	98 9 7 11 20	12,793 2,796 1,394 879 2,757	57,509 14,867 6,662 3,786 18,408	10,144 2,448 1,062 540 1,640	21,982 4,805 2,139 1,127 3,474	41,433 12,671 4,562 1,866 6,695	157,245 29,035 11,569 10,460 25,974	37,240 2,989 1,010 (C) 1,565	10,179 2,858 - 3 771 1,782	94,250 25,956 2,658 6,764 14,424
Seminole Swwannee Taylor Volusia Walton Washington	52 22 42 179 25 24	15 5 6 30 3 3	1,352 349 1,272 4,241 291 256	5,605 885 7,784 30,614 875 588	1,107 298 1,019 2,220 230 230	2,188 562 2,150 4,660 464 434	4,193 758 5,209 8,995 591 510	12,466 1,698 20,964 56,954 1,540 823	1,079 (Z) 1,540 4,493 (Z) (Z)	908 350 1,095 2,460 213 234	5,712 1,101 10,073 15,574 887 861

⁽Z) Less than \$500 thousand.

Revised.

Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The Fort Lauderdale-Hollywood Standard Metropolitan Statistical Area is coextensive with Broward County, Fla.

The Miami Standard Metropolitan Statistical Area is coextensive with Duval County, Fla.

The Orlando Standard Metropolitan Statistical Area consists of Orange and Seminole Counties.

The Persacola Standard Metropolitan Statistical Area consists of Scambia and Santa Rosa Counties.

The Tampa-St. Petersburg Standard Metropolitan Statistical Area consists of Hillsborough and Pinellas Counties.

1963 CENSUS OF MANUFACTURES

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

2000						196					19	58
		Establi	shments,	All emp	loyees		duction wor	kers	Value	Capital	All	Value
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
	All industries, total ²	7,331	1,821	217,629	1,098,797	148,413	305,067	628,315	2,326,335	185,666	r _{171,257}	1,410,843
20 201 202 203 204 207 208	Food and kindred products. Meat products Dairies. Canned and frozen foods. Grain mill products Candy and related products. Beverages.	903 78 89 193 54 22 163	369 33 49 103 14 5	40,368 3,587 5,620 14,715 1,014 344 5,224	169,467 15,095 27,330 49,954 4,475 1,110 25,280	26,268 2,791 1,843 12,630 626 286 2,162	56,063 5,999 4,278 26,351 1,456 571 4,584	94,746 10,107 8,318 38,531 2,194 801 9,458	499,009 27,601 75,596 179,736 11,757 2,774 65,996	32,754 1,778 3,555 13,648 2,009 (Z) 4,839	36,429 3,560 5,980 12,732 1,566 307 3,951	321,957 24,316 53,656 114,659 11,720 1,419 34,284
209	Miscellaneous foods and kindred products	179	32	2,555	11,175	1,654	3,429	6,057	60,180	1,853	2,437	33,446
21 212	Tobacco manufactures	51 45	25 20	5,489 4,979	17,124 16,094	4,992 4,508	9,024 8,180	13,966 13,039	35,778 34,631	730 721	7,635 6,920	41,340 39,322
22 225	Textile mill products	34 11	14 6	1,038 615	3,733 2,283	911 561	1,797 1,077	3,022 1,904	7,582 4,237	(Z) (Z)	911 538	5,231 2,853
23 232 233 236 239	Apparel and related products Men's and boys' furnishings Women's and misses' outerwear. Children's outerwear. Fabricated textiles, n.e.c	403 30 151 23 162	152 19 83 16 20	10,734 1,775 5,414 964 1,332	32,411 4,927 16,179 3,058 4,308	9,559 1,615 4,803 856 1,147	17,620 2,907 8,808 1,605 2,160	26,162 4,040 13,126 2,412 3,283	56,068 8,455 28,101 5,558 7,486	1,191 (Z) 607 (Z) (Z)	6,649 1,788 2,608 669 882	29,249 5,823 13,035 2,901 4,509
24 243 244 249	Lumber and wood products Millwork and related products. Wooden containers Miscellaneous wood products	1,087 262 33 77	147 49 18 14	12,602 3,296 1,954 1,040	40,583 13,138 5,765 3,575	10,920 2,691 1,781 885	21,625 5,496 3,354 1,770	32,709 9,733 4,695 2,682	71,005 22,168 9,379 7,053	7,709 1,694 315 653	13,530 2,902 2,162 1,000	56,286 13,960 7,727 6,354
25 251 254 259	Furniture and fixtures	421 290 75	97 80 14	6,777 5,480 942	26,821 20,415 4,859	5,562 4,600 708	11,353 9,321 1,484	19,963 15,462 3,430	47,438 37,669 7,179	1,929 1,580 (Z)	6,929 5,704 743	38,194 31,195 4,344
	n.e.c	48	1	258	1,011	183	386	745	1,863	(Z)	347	1,947
26 264 265	Paper and allied products Paper and paperboard products. Paperboard containers and	104 42	62 18	13,304 3,143	81,397 16,204	11,002 2,698	22,138 5,355	60,381 12,964	200,686 24,876	19,246 2,243	13,212 2,824	151,538 15,549
	boxes	46	32	2,932	14,578	2,264	4,721	9,815	25,799	2,088	2,469	17,638
27 271 275 276 278 279	Printing and publishing. Newspapers. Commercial printing. Manifold business forms. Bookbinding and related work. Printing trades services.	979 207 522 13 25 71	144 56 60 7 5	16,419 10,424 4,022 374 327 508	83,650 52,489 20,708 2,104 1,249 3,208	9,321 4,735 3,207 266 299 381	18,303 8,987 6,574 532 618 731	46,278 23,697 15,755 1,157 1,087 2,560	156,627 103,957 36,059 3,445 1,697 4,341	15,102 11,455 2,590 (Z) (Z) (Z)	12,767 8,295 3,090 218 217 397	103,628 70,471 22,081 1,565 1,120 3,439
28 281 283 284 285 287	Chemicals and allied products. Basic chemicals. Drugs. Cleaning and toilet goods. Paints and allied products. Agricultural chemicals.	376 43 32 77 59 90	110 20 5 4 14 54	18,239 1,605 489 417 835 6,300	103,798 10,000 2,116 1,872 4,154 34,465	13,519 1,139 322 277 491 4,587	28,225 2,319 623 577 997 10,169	68,910 6,361 1,088 903 2,020 22,885	315,324 36,918 6,079 5,925 21,005 91,796	54,541 7,082 (Z) (Z) (2) (2) 28,567	14,534 726 281 291 588 5,073	233,399 15,376 2,906 2,946 8,340 64,956
29 295	Petroleum and coal products Paving and roofing materials	41 34	15 12	831 673	3,984 3,215	584 487	1,297	2,443 2,037	9,298 7,328	610 510	701 473	6,405 5,038
30 306	Rubber and plastics products, n.e.c	121 107	25 19	1,488 1,155	6,614 5,038	1,208 919	2,401 1,812	4,690 3,445	13,200	955 877	711 531	3,687 3,049
31 317	Leather and leather products Purses and small leather	49 20	17	1,812 815	5,686	1,572 730	2,928 1,301	4,357 1,796	9,702 3,121	(Z) (Z)	889 283	4,903 1,582
32 323 325 327 329	goods Stone, clay and glass products Products of purchased glass Structural clay products Concrete and plaster products. Nonmetallic mineral products.	604 23 18 497 29	164 4 9 140 3	13,086 266 1,217 9,225 695	2,227 58,251 958 5,027 39,943 3,572	9,461 218 1,027 6,190 560	20,747 428 2,580 13,754 1,101	38,624 707 3,800 24,148 2,615	147,163 1,875 11,132 97,358 13,376	9,883 (Z) 848 7,156 903	12,422 446 407 9,892 262	105,896 2,568 2,881 79,704 1,743
33 33 5	Primary metal industries Nonferrous rolling and	77	24	2,340	11,621	1,976	4,113	9,125	31,114	2,052	1,508	11,487
336	drawing	10 27	5 3	707 321	3,845 1,096	599 280	1,406 489	3,107 919	12,851 1,487	1,227 (Z)	639 175	6,162 1,089

See footnotes at end of table.

FLORIDA

Table 3. - JEMERAL STATISTICS FOR THE STATE, BY GELECTED INTUCTRY GROUPS: 1963 AND 1958-Continued

(See text for explanation of column captions)

-						196	3				19	58
Code	Industry group	Establi num	shments,	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
	January group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new 1	employ- ees, number	added by manufac- ture (\$1,000)
34 3-1 3-2 344 346 347 348	Fauricates metal projects Metal cens Cutlery, hand tools, hardware. Structural metal products Metal stumpings Metal services, n.e.c. Fabricated wire product.	23 12 32 380 11 53	7 107	1-,163 1,621 719 9,647 340 558	73,082 13,297 3,192 43,626 1,286 2,253	10,974 1,345 526 7,236 313 463	22,370 3,111 1,146 14,156 637 948	47,565 10,817 2,112 27,356 1,130 1,772	127,494 22,631 5,325 77,668 4,591 4,295	8,740 4,371 (Z) 2,910 (Z) (Z)	13,706 1,591 +11 9,571 250 267	104,894 20,820 2,364 67,081 1,392 1,688
349	Fabricated metal products,	2 · 52	5	494	2,325	398 474	863 935	1,594 1,852	4,982 5,154	(Z) (S)	230	2,443 8,022
35 352 353	Machinery, except electrical Farm machinery and equipment Construction and like	478 2	31	c,84~ 891	36,285 4,615	5,041 530	10,303 1,066	23,682 2,297	93,308 9,732	3,079 (Z)	3,998 260	27,747 2,113
354 356 358 359	multiple: t. Motalworking machinery. General influstrial machinery. Service industry machines. Miscellaneous machinery.	17 78 50 53 190	5 15 3 21	258 877 547 501 1,678	1,485 5,041 2,807 2,580 8,031	186 712 398 349 1,373	380 1,535 851 716 2,819	972 3,879 1,798 1,533 6,374	3,418 7,970 5,761 4,325 12,526	(Z) 596 (Z) (Z) 792	193 531 667 344 1,266	1,441 4,255 3,838 2,341 9,984
36 366 367 3r)	Electrical machinery Communication equipment Electronic components Electrical products, n.e.c	199 41 5. 33	77 23 2- 11	15,024 10,074 2,088 2,013	104,042 77,378 10,869 12,199	8,638 5,204 1,640 1,127	17,908 10,792 3,412 2,365	43,791 28,571 7,377 5,474	155,608 112,883 18,343 16,384	10,446 5,595 1,413 3,155	5,046 1,255 1,121 1,317	37,536 10,627 8,190 9,110
37 371 372 373	Trunsportation equipment	357 59 39 209	89 20 43	16,626 834 8,703 5,826	100,188 3,671 60,875 29,705	11,204 -83 4,517 4,939	23,258 1,492 9,681 9,984	58,525 2,763 27,500 23,750	131,800 5,254 75,395 40,090	7,341 1,729 3,320 1,810	9,647 494 2,275 6,349	56,442 3,292 15,277 33,985
38 384	Instruments and related products Medical instruments and supplies.	34 37	15 2	2,04n	9,743	1,657 588	3,412 1,264	6,939 2,933	24,140 10,429	2,205 1,799	784 109	3,907 698
39 394	Micrellane we manufacturing, including promance ³	360 71	46 10	14,317 818	110,083	5,252 731	10,182	22,437 1,962	194,011	6,511 (Z)	5,804 538	67,117 3,220
398 399 190	Miscellaneo.s manufactures3	212	31 :	13,1.5	100,119	4,137	8,208	19,317	185,943	6,217	4,908	62,280
	Administrative and auxiliary4	-	-	3,977	23,234	-	-	-	-	-	r _{3,439}	_

⁻ Represents zero. n.e.c. Not elsewhere classified. (2) Less than \$500 thousand. Frevised.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Tholudes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

The addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing "stablishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958 (See text for explanation of column captions)

						196	i3				19	58
Code	Industry group		shments,	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
0040	madour group	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures,	ees,	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
					(See foo	tnotes at e	MIAMI SMA nd of table	SA 2 for SMSA (description)			
	All industries, total ²	1,905	529	43,627	189,513	31,791	63,002	119,787	362,829	20,168	36,893	252,123
20 202	Food and kindred products	158	68	7,644	34,816	4,081	8,598	15,647	74,702	3,357	6,917	58,684
202	Dairies	23 33	12 16	1,837 1,634	9,539 5,402	638 1,257	1,437 2,376	3,160 3,306	20,068 11,093	1,156 844	2,393 938	22,550 6,380
205	Bakery products	26	12	2,073	9,321	1,092	2,407	4,717	14,288	5 65	1,547	11,202
208	Beverages	26	12	1,079	5,790	408	831	1,864	8,614	(2)	992	9,274
23	Apparel and related products	269	111	6,272	19,532	5,490	10,121	15,159	35,330	669	3,769	19,204
233 239	Women's and misses' outerwear. Fabricated textiles, n.e.c	123 88	66	3,531 909	11,005 2,894	3,064 791	5,622 1,507	8,503 2,190	19,576 4,839	(Z) (Z)	2,093 558	10,995 2,904
							1,001		,			
24 243	Lumber and wood products Millwork and related products.	73 39	12 11	891 675	3,766 3,074	717 532	1,373 1,005	2,751 2,220	5,946 4,951	(Z) (Z)	905 746	6,575 4,712
	The state of the s			6/7	3,074	222	1,005	2,220	4,901	(4)	740	4,712
25 251	Furniture and fixtures	155 107	50 38	3,196	13,035	2,587	5,323	9,509	21,451	761 559	3,728	19,988
271	nousehold furniture	107	28	2,528	9,542	2,092	4,264	7,113	16,195	229	3,215	16,970
26 265	Paper and allied products	33	17	1,204	5,630	953	1,923	3,736	10,451	1,029	842	6,489
265	Paperboard containers and boxes	14	10	783	3,655	616	1,249	2,320	7,550	(Z)	578	4,157
200			.,	1 155				ĺ í	ĺ í	5 500	2 40/	22 22 2
27 275	Printing and publishing	266 160	44 23	4,455 1,364	24,671 7,229	2,678 1,087	5,188 2,216	14,025 5,448	44,630 10,851	5,522 952	3,824 1,004	33,213 7,517
					ĺ í		,		, i			
28	Chemicals and allied products	91	13	939	4,285	574	1,186	2,098	11,219	592	688	6,705
31	Leather and leather products	37	13	1,444	4,694	1,254	2,338	3,482	8,415	(Z)	628	3,145
32	Stone, clay and glass products	118	26	2,394	10,723	1.838	3,753	7,597	25,289	1,202	2,196	16,621
327	Concrete and plaster products.	79	17	1,407	6,228	1,002	2,089	4,024	13,297	701	1,507	12,526
33	Primary metal industries	26	8	803	3,685	668	1,441	2,852	10,363	954	550	4,426
34	Fabricated metal products	204	69	6,827	29,543	5,234	10,290	18,696	55,743	1,845	6,782	43,130
344	Structural metal products	114	49	5,123	21,855	3,887	7,371	13,193	41,185	1,248	5,807	37,052
35	Machinery, except electrical	105	14	980	5,185	729	1,510	3,621	9,682	(Z)	770	5,273
36	Electrical machinery	57	17	1,363	7,095	1,006	2,057	4,808	12,531	(Z)	746	4,179
37	Transportation equipment	98	28	1,719	8,043	1,397	2,809	6,268	13,634	1,545	2.054	11,445
372	Aircraft and parts	12	6	370	1.622	277	519	1,058	4,320	170	744	4,228
373	Ship and boat building	57	16	1,034	4,792	867	1,768	3,921	6,691	473	1,171	6,488
39	Miscellaneous manufacturing	110	16	1,365	5,064	1,177	2,266	3,975	9,404	799	885	5,560
	Administrative and auxiliary3	_	-	447	2,218		-	-	-	-	365	-

-Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

U.S. DEPARTMENT OF COMMERCE **BUREAU OF THE CENSUS** WASHINGTON, D.C. 20233

POSTAGE AND FEES PAID U.S. DEPARTMENT OF COMMERCE

OFFICIAL BUSINESS







Area series

GEORGIA

preliminary report

Value added by manufacturing in 1963 in the State of Georgia amounted to \$3,239 million, an increase of 13 percent from 1962 and 54 percent from 1958. Of this total, \$619 million was contributed by the Textile Mill Industries and \$516 million by the Transportation Equipment Industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1 .-- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	All emp	oloyees ¹	Pr	oduction worke	rs	Value added by	Capital	Index of (1958	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963 1962 ³ 1961 ³ 1960 ⁹ 1959 ³	6,237 (NA) (NA) (NA) (NA) (NA) 5,796	2,069 (NA) (NA) (NA) (NA) 1,844	355,361 r327,793 r316,872 r322,618 r324,125 r314,088	1,505,277 F1,346,927 F1,229,876 F1,210,762 F1,198,235 F1,074,972	290,890 271,186 262,095 266,655 270,051 261,099	585,300 546,295 521,950 525,456 540,971 500,334	1,073,728 956,476 875,123 862,640 864,543 775,947	3,238,776 2,856,465 2,447,746 2,496,866 2,456,623 2,102,332		113 104 101 103 103	154 136 116 119 117 100

(D) Withheld to avoid disclosing figures for individual companies. (NA) Not available. Thevised. (X) Not applicable.

*Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

*Includes expenditures for plants under construction but not in operation.

*The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

March 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>—This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number.-This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

<u>Value added by manufacture.</u>--This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20235.)

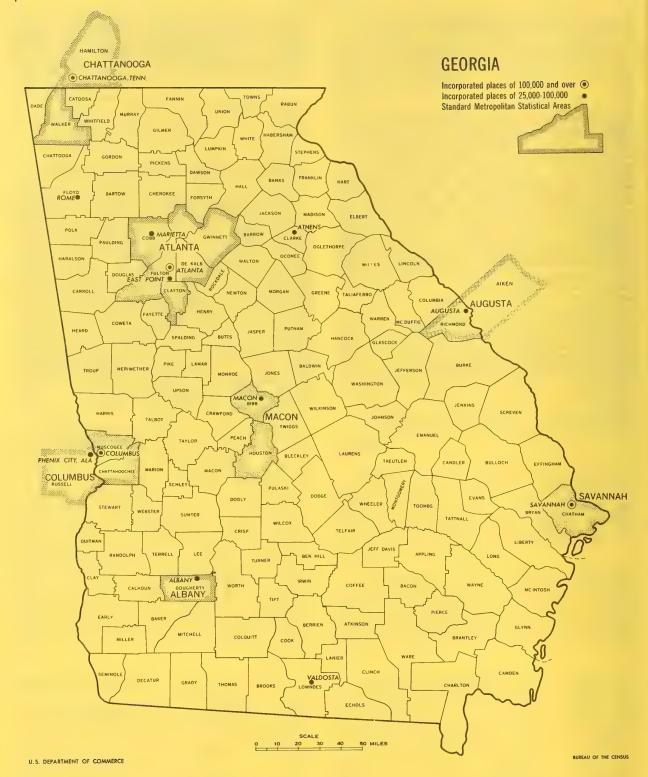


Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTERS: 1962 AND 1368

(See text for explanation of column captions)

1963		19	50
PANALO DE LA CONTRACTOR			
State, standard metropolitan Establishments, number All employees Production workers Value	Capital	All	Value
statistical areas, added by	expend-	employ-	added by
and counties With 20 manufacture	itures, new3	ees, number ²	manufac- ture
Total Or Hore Payroll Number Man-hours Wages Cure	riew.	Homoer	
ees (\$1,000) (1,000) (\$1,000) (\$1,000)	(\$1,000)		(\$1,000)
	-	r	
GEORGIA, TOTAL	LCC , 673	r314,088	2,102,332
STANDARD METROPOLITAN			
STATISTICAL AREAS			
Albany ⁴	3,560	3,307	24,537
Atlanta ⁵ 1,439 551 95.805 538.208 68.041 139.827 329.006 1.140.546	41,092	3,307 F83,534	711,947
Augusta ⁶	11,548	23, 103 14,840	209,958 161,247
Portion in Georgia	6,785	8,263	48,711
Chattanooga	21,719	40,945 5,493	337,482 27,479
Portion in Tennessee	19,902	35,452	310,003
Columbus ⁸	5,949	17,105	99,574
Portion in Georgia 139 59 15,705 59,550 12,932 26,300 43,029 133,506 Portion in Alabama 43 10 812 2,448 702 1,454 2,088 5,513	5,377 572	16,338 767	96,682
Macon 9 211 83 11,327 48,780 9,015 17,273 33,912 117,417	5,078	10,964	85,014
Savannah ¹⁰	12,173	14,590	172,987
COUNT IES ¹			
	(a)	100	1.050
Appling. 26 5 481 1,431 415 853 1,111 2,562 Bacon. 11 3 308 861 266 527 684 2,203	(Z) (Z)	408 153	4,059 437
Baldwin	1,312	1,895	8,939
Banks	(Z)	208	574
Barrow	(Z)	2,227	8,092
Bartow	1,647	2,447	12,069
Ben Hill 30 8 1,289 3,503 1,108 2,119 3,023 6,428 Berrien 24 3 294 816 252 429 621 2,317	(Z) (Z)	1,215	4,170 1,274
Bibb	4,729	10,554	81,039
Bleckley	(Z)	728	1,904
Brooks 18 5 314 944 208 437 557 1,526	(Z)	326	1,318
Bulloch	(Z)	743	3,658
Burke. 26 10 1,307 3,312 1,162 2,275 2,729 6,932 Butts. 16 4 656 1,952 596 1,139 1,615 2,431	(Z) (Z)	839 685	1,633 1,751
Calhoun. 17 5 320 842 264 528 621 1,631	(D)	199	834
	2 (05	2 220	16 1/0
Carroll. 90 39 4,785 16,609 4,231 8,118 13,449 29,024 Chatham. 209 74 14,803 75,613 11,576 23,463 53,532 214,823	2,605 12,173	3,327 14,590	16,142
Chattooga 16 8 4.284 15.603 3.893 7.978 13.506 36.114	2,653	4.277	22,764
Cherokee 49 8 2,355 6,674 2,129 3,854 5,497 9,339 Clarke 72 33 5,175 20,237 4,137 8,258 13,452 40,086	720 1,625	2,085 4,791	9,203 26,281
Clayton	2,292	427 405	2,744
Clinch 40 4 573 2,122 518 1,060 1,798 2,901 Cobb 126 39 21,358 144,967 13,846 28,072 83,715 187,100	(Z) 5,057	17,213	1,578 133,975
Coffee 43 10 1,008 3,125 851 1,637 2,377 6,163	(Z)	953	3,550
Colquitt	1,032	2,067	9,635
Columbia. 16 4 499 1,136 450 839 934 1,781	(2)	929	8,579
Cook	1,124	694	4,198
Cowe ta. 49 25 4,794 17,881 4,313 8,778 14,623 38,888 Crisp. 36 15 1,429 4,883 1,172 2,203 3,547 10,629	1,074 (Z)	4,579 978	26,791 6,631
Decatur 29 11 1,288 4,426 1,114 2,342 3,300 8,907	(Z) (Z)	1,054	5,450
De Kalb	7,511	8,409	82,746
Dodge	(2)	753	3,298
Dougherty	3,560	3,307	24,537
Douglas 26 5 411 1,574 332 674 1,276 2,790 Early 16 1 255 1,546 229 514 1,416 2,578	(Z) (Z)	257 216	1,349 851
Elbert	691 (Z)	1,975	9,746 2,914
Evans	(Z)	325	2,301
Famin 20 2 537 1,239 506 906 1,162 3,034	533	191	953
Fayette	(Z)	158	450
Floyd	5,302	10,117	70,829
Forsyth. 21 6 907 2,627 851 1,732 2,329 6,130 Franklin. 18 8 1,182 3,518 1,109 2,185 3,095 5,463	(Z) (Z)	631 1,488	3,986 4,996
Fulton	25,545	55,284	481,014
Gilmer	(Z)	790	3,520
Clymn	11,099	4,516	57,616
Gordon 59 24 3,222 11,182 2,884 6,079 9,011 38,683	1,175	1,859	9,698
Grady. 36 5 1,329 3,266 1,180 2,034 2,594 6,482 Greene. 34 7 1,010 2,684 933 1,794 2,381 3,760	619 (Z)	986 1,116	3,541 3,175
Grimett 60 20 2,906 10,648 2,551 5,078 8,231 17,906	687	2,201	11,468
Habersham. 44 18 2,873 9,923 2,497 5,254 8,148 17,807 Hall. 94 42 8,002 28,813 6,997 14,816 22,631 49,130	1,197 3,098	2,288 7,293	14,070 47,074
Hancock	(Z) 772	303	686
Haralson. 29 13 4,711 18,859 4,463 8,496 15,075 30,641	772 (Z)	3,680 582	18,098
Harris	(4)	762	1,587

See footnotes at end of table.

1963 CENSUS OF MANUFACTURES

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958—Continued

(See text for explanation of column captions)

					196	3				19	58
State, standard metropolitan statistical areas,	Establi num	shments, ber	All emp	Loyees ²	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
and counties1	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ³ (\$1,000)	ees, number ²	manufac- ture (\$1,000)
COUNTIES1 Continued											
Hart Heard Henry Houston Jackson	19 18 23 29 16	9 2 8 7 11	2,384 303 991 629 2,430	10,162 862 4,244 2,338 8,249	2,082 274 765 485 2,174	4,333 552 1,461 951 4,079	7,268 678 2,505 1,682 6,347	21,651 4,945 7,720 6,921 13,602	1,331 (Z) (Z) (Z) (Z) 936	1,302 157 860 410 2,453	8,244 34. 5,53 3,97 10,09
Jasper	20	4	377	941	333	584	795	1,405	(Z)	85	20
Jeff Davis	27	5	1,416	4,380	1,288	2,800	3,824	8,218	(Z)	1,222	4,61
Jefferson	35	7	1,071	3,269	928	1,707	2,645	4,529	(Z)	946	3,58
Jenkins	12	4	563	1,637	528	1,013	1,410	2,218	(Z)	615	1,68
Johnson	13	6	575	1,467	545	1,024	1,364	2,061	(Z)	473	2,08
Laurens	48	12	2,642	9,220	2,438	4,925	8,237	18,217	873	1,615	11,64
Lowndes	68	25	3,535	14,418	3,025	5,972	11,332	39,163	1,623	3,032	26,14
McDuffie	24	8	1,494	4,703	1,301	2,552	3,749	12,745	1,313	1,481	8,17
Macon	19	5	967	2,516	908	1,507	2,180	6,210	(Z)	1,025	2,44
Madison	16	4	541	1,393	488	870	1,193	1,710	(Z)	413	1,13
Meriwether Mitchell Monroe Montgomery Morgan	29 38 40 10	8 16 11 3 4	1,548 1,118 1,393 421 646	4,734 3,407 4,185 1,129 1,999	1,422 1,008 1,305 397 596	2,853 1,890 2,530 821 1,187	4,054 2,841 3,645 1,014 1,767	7,181 6,343 6,519 1,581 3,305	518 636 (Z) (Z) (Z)	1,900 939 578 317 385	13,26 3,47 2,90 1,03 2,05
Newton	17	10	3,317	10,300	3,081	6,097	9,105	13,844	740	3,000	11,29
Paulding	29	4	467	1,193	423	787	1,029	1,953	(Z)	474	1,43
Peach	21	9	1,196	4,510	997	2,043	3,096	8,894	(Z)	1,084	4,33
Pickens	24	4	859	3,037	769	1,576	2,744	4,730	(Z)	1,136	5,24
Polk	37	16	3,559	14,085	3,071	6,042	11,023	29,029	1,805	3,273	21,61
Pulaski.	11	2	472	1,481	450	1,057	1,350	2,313	(D)	377	1,57
Putnam	21	5	950	3,144	878	1,784	2,812	4,989	738	741	3,45
Randolph	21	7	598	1,838	547	1,140	1,553	2,929	(Z)	511	1,97
Richmond.	119	61	10,422	45,461	7,914	16,714	29,566	101,939	6,785	8,263	48,71
Rockdale	30	12	1,293	5,074	1,041	2,042	3,433	18,791	761	961	3,55
Screven,	49	6	677	1,887	621	1,250	1,626	3,951	(Z)	494	1,34
Spalding	49	21	6,965	24,157	6,327	12,446	20,003	34,473	2,80 5	6,902	24,97
Stephens	39	15	3,872	14,414	3,374	6,634	11,442	26,394	848	3,136	22,22
Stewart,	18	4	263	736	210	390	528	1,444	(Z)	227	73
Sunter. Talbot. Tattnall Telfair Thomas	37	13	1,928	6,607	1,736	3,537	5,574	18,930	(Z)	1,520	8,23
	28	5	692	1,795	618	1,067	1,545	3,979	(Z)	303	1,19
	27	4	467	1,054	427	758	918	1,583	(Z)	104	27
	34	8	747	1,929	663	1,306	1,656	3,600	(Z)	542	1,79
	46	18	2,575	9,775	2,004	4,086	6,517	13,801	718	2,408	10,01
Toombs	41	10	1,337	3,609	1,226	2,431	3,125	7,024	(Z)	1,389	5,24
Troup,	70	29	7,757	27,666	6,521	12,603	19,923	54,652	2,024	8,315	40,00
Walker	48	19	3,963	15,349	3,509	7,543	12,593	30,818	1,817	5,493	27,47
Walton	24	12	3,188	10,497	2,867	6,074	8,977	18,095	641	2,358	7,88
Ware	78	16	2,386	7,508	2,130	4,112	6,155	18,577	684	1,900	9,430
Washington.	68	10	1,021	2,618	896	1,657	2,152	4,342	685	1,290	5,933
Wayne	35	5	1,414	7,116	1,205	2,458	5,915	20,040	821	1,817	16,244
White.	20	4	634	2,058	585	1,138	1,812	7,037	(Z)	502	3,430
Whitfield	184	90	11,189	42,974	9,489	19,503	31,538	92,110	4,156	9,014	60,741
Wilcox,	13	2	422	944	410	748	909	1,137	(Z)	281	56'
Wilkes	37	7	1,360	4,061	1,047	1,921	2,667	8,629	533	996	3,202
Wilkinson,	26	4	539	1,922	476	922	1,668	2,667	(Z)	359	1,041
Worth,	13	4	251	693	231	399	591	881	(Z)	265	818

⁽D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand. Revised.

Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The Albany Standard Metropolitan Statistical Area is coextensive with Dougherty County, Ga.

The Atlanta Standard Metropolitan Statistical Area consists of Richmond County, Ga., and Aiken County, S.C.

The Augusta Standard Metropolitan Statistical Area consists of Hamilton County, Tenn., and Welker County, Ga.

The Columbus Standard Metropolitan Statistical Area consists of Bibb and Houston Counties, Ga., and Russell County, Ala.

The Macon Standard Metropolitan Statistical Area consists of Bibb and Houston County, Ga.

Table 3. —JENERAL STATISTICS FOR THE STATE, BY CELECTED INDUSTRY GROUPS: 1963 AND 1988

(See text for explanation of column captions)

_						196	3				19	58
		Establi	shments,	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ¹ (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
	All industries, total ²	e,237	2,069	355,361	1,505,277	290,890	585,300	1,073,728	3,238,776	166,673	^r 314,088	2,102,332
201 202 203 204 207 208 209	Food and Kinired products Meet products Dairies Canned and frozen foods Crain mill products Candy and related products Beverages Miscellaneous foods and	832 162 82 61 150 24 140	3-5 68 39 34 33 12 73	42,301 11,142 4,215 5,486 2,122 2,364 5,020	.11,723 39,73 19,175 14,535 9,011 8,865 22,575	29,438 9,567 1,722 4,927 1,395 1,783 1,939	60,719 19,702 3,956 9,063 3,185 3,556	100,347 29,995 7,324 11,356 5,031 5,690 6,714	437,756 57,834 35,947 34,460 36,834 24,781 83,510	23,494 3,339 2,323 2,455 2,909 1,557 4,374	41,373 11,126 4,183 5,072 2,177 2,571 4,255	3,44,517 62,601 33,448 24,623 32,428 16,656 53,810
22 221 222 223	Kindred products Textile mill products Weaving mills, cotton Weaving mills, synthetics Weaving, finishing mills,	145 3~+ 69 17	46 289 64 16	4,030 93,798 41,161 5,328	18,-11 333,-1 146,-00 20,25	2,685 85,980 38,257 4,763	5,623 174,184 78,190 10,125	10,230 285,006 128,359 16,372	54,893 618,904 230,288 37,283	3,292 37,093 15,670 2,994	4,376 94,933 44,016 4,942	39,231 442,812 178,012 24,572
225 227 228 229	wool. Knitting mills. Floor covering mills. Yarn and thread mills. Miscellaneous textile goods. Apparel and related products.	11 52 110 57 31 428	9 38 73 53 21 314	3,486 8,784 12,142 14,675 5,608 56,351	14,067 26,445 46,711 49,196 20,730 168,163	3,212 8,166 10,556 13,462 5,157 51,114	6,436 14,971 23,034 26,335 10,075 96,223	12,344 22,881 36,169 41,999 17,875	26,815 43,360 151,779 74,582 38,262 308,402	1,512 806 5,836 5,293 1,367	5,479 8,904 7,993 14,183 6,896 39,429	27,451 39,487 71,941 53,084 36,291 175,314
231 232 233 234	Men's and boys' suits and coats. Men's and boys' furnishings Women's and misses' outerwear Women's and children's	17 137 64	14 131 58	4,447 28,912 5,404	18,428 82,281 14,542	4,073 26,564 4,902	7,753 50,163 8,672	14,172 69,639 11,884	27,929 151,838 23,586	(Z) 2,883 (Z)	3,097 19,882 2,778	15,723 77,937 8,895
236 238 239 24	underwear. Children's outerwear. Miscellaneous apparel. Fabricated textiles, n.e.c Lumber ans woss pressues	29 15 20 136 2,030	21 14 14 58 282	6,161 2,133 2,235 6,742 23,662	20,236 5,768 6,088 19,766 63,378	5,668 2,010 1,940 5,681 21,027	10,739 3,896 3,693 10,785 40,038	16,636 5,083 4,856 15,988 53,295	46,063 9,050 10,327 37,945	(Z) (Z) (Z) 1,935	4,858 1,366 1,632 5,591 26,486	32,440 4,852 7,086 27,314 94,906
241 242 243 244 249	Logging camps and contractors Sawmills and planing mills Millwork and related products Wooden containers Miscellaneous wood products	1,177 647 109 31 66	20 179 42 21 20	5,513 10,080 3,533 2,838 1,698	11,589 25,498 11,909 8,433 5,949	4,839 8,912 3,141 2,696 1,439	9,094 16,918 6,394 4,763 2,869	10,388 21,679 9,457 7,371 4,440	20,206 46,199 19,989 13,919 11,382	4,576 5,207 1,055 615 606	4,900 13,676 3,277 3,307 1,326	15,418 43,003 14,476 14,750 7,259
25 251 254	Furmiture and fixtures Household furmiture Partitions and fixtures	184 111 38	62 51 2	8,407 7,444 376	29,775 25,894 1,744	7,359 6,571 286	14,425 12,840 605	22,651 19,861 1,214	49,250 42,720 2,616	1,371 1,159 (2)	6,882 6,059 284	38,647 33,811 2,118
26 264 265	Paper and allied products Paper and paperboard products Paperboard containers and boxes.	107 41 48	71 22 34	20,452 5,013 5,945	119,090 24,736 30,364	16,299 4,079 4,568	33,566 7,785 9,557	87,358 17,751 20,534	337,554 43,630 53,711	26,119 1,947 4,964	16,768 4,447 4,344	228,389 33,772 37,878
27 271 272 275 278 279	Printing and publishing Newspapers Periodicals. Commercial printing. Bookbinding and related work. Printing trades services	569 172 34 279 16 34	102 30 4 41 6	10,216 4,314 386 3,783 549 419	56,347 21,902 2,487 21,903 2,930 2,701	6,612 2,300 112 2,988 471 308	13,442 4,587 211 6,242 941 621	34,141 12,159 481 15,564 1,968 1,966	99,185 44,249 4,530 33,273 4,966 3,582	3,938 1,135 (Z) 2,028 (Z) (Z)	9,600 4,092 354 3,496 300 444	78,011 33,628 4,091 25,721 2,041 3,918
28 281 283 284 285 286 287	Chemicals and allied products. Basic chemicals. Drugs. Cleaning and toilet goods. Paints and allied products. Gum and wood chemicals. Agricultural chemicals.	279 33 12 39 27 16 96	112 12 3 20 13 5 42	10,914 1,547 382 1,593 872 1,152 2,896	57,363 9,469 1,948 9,957 5,167 6,701 10,624	7,569 1,054 257 810 452 922 2,288	15,831 2,253 535 1,648 906 1,798 5,079	32,536 5,635 1,085 3,494 2,017 4,803 7,081	217,624 48,451 9,739 46,699 23,920 35,737 21,039	14,986 4,627 546 4,604 595 1,076 2,124	9,624 1,357 266 1,260 843 1,170 2,708	129,396 30,033 5,589 16,829 13,264 26,488 13,714
29 295	Petroleum and coal products Paving and roofing materials.	26 16	10 7	738 531	4,113 2,814	535 398	1,142 860	2,768 2,018	11,608 8,650	(Z)	646 404	7,199 4,719
30 306	Rubber and plastics products, n.e.c	58 22	26 13	2,353 1,262	9,470 4,807	1,977 1,071	4,206 2,254	6,617 3,280	25,947 11,634	2,484 (Z)	1,061 685	8,755 5,788
31 314 32	Leather and leather products Footwear, except rubber Stone, clay and glass products.	27 11 361	17 9 124	3,957 2,954 12,374	12,990 9,254 51,658	3,750 2,822 10,143	7,504 5,630 20,614	11,031 8,007 38,638	25,088 19,215 120,710	(Z) (Z) 8,733	3,504, 2,608 9,575	15,247 10,451 72,137
325 327 328 329	Structural clay products Concrete and plaster products Cut stone and stone products. Nonmetallic mineral products.	15 226 74 25	124 13 68 25	2,887 4,423 2,317 840	11,299 17,567 8,855 3,785	2,443 3,304 2,028 717	5,056 6,961 3,964 1,317	8,265 11,839 7,325 2,889	20,732 46,694 15,000 8,602	1,645 4,688 861 669	2,607 2,989 2,149 304	15,237 15,237 23,692 12,019 1,775
33 332	Primary metal industries Iron and steel foundries	56 18	26 9	3,338 723	17, <i>5</i> 12 2,866	2,687 638	5,451 1,292	12,635 2,363	34,653 3,552	2,454 (Z)	3,252 709	16,191 2,520

See footnotes at end of table.

1963 CENSUS OF MANUFACTURES

Table 3. __GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958_Continued

(See text for explanation of column captions)

						196	3				19	58
Code	Industry group		shments,	All emp	loyees	Pro	duction wor.	kers	Value	Capital	All	Value
	amono, Brown	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new 1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
34 344 346 347	Fabricated metal products Structural metal products Metal stampings. Metal services, n.e.c	261 176 18 16	93 57 10 9	10,879 6,082 1,857 813	52,061 29,545 7,718 3,373	9,002 4,816 1,718 748	18,820 9,985 3,671 1,572	38,889 20,943 6,679 2,795	106,758 60,790 16,156 5,546	7,503 3,257 1,180 1,264	6,973 4,398 1,244 235	48,928 29,934 8,993 1,427
349	Fabricated metal products,	21	6	696	3,515	538	1,171	2,484	6,371	(Z)	408	3,546
35 352 353	Machinery, except electrical Farm machinery and equipment. Construction and like	302 30	80 13	9,088 1,653	46,192 7,322	6,904 1,210	14,155 2,348	29,204 4,229	91,281 15,862	3,723 655	7,972 1,304	66,971 8,809
354 355 356 358	equipment. Metalworking machinery. Special industry machinery. General industrial machinery. Service industry machinery.	15 28 71 21	7 6 35 4	1,287 416 3,359 662 918	7,781 2,656 16,326 3,206 5,029	974 355 2,582 447 663	1,892 727 5,551 842 1,396	4,844 2,040 10,253 1,802 2,899	18,823 4,196 31,237 6,311 8,083	(Z) (Z) 1,148 (Z) 550	1,556 404 2,750 551 678	17,099 3,874 20,811 5,803 5,052
36	Electrical machinery	61	28	5,379	29,593	3,873	7,969	18,341	73,499	1,918	3,808	41,313
361 369	Electric distribution products	11 18	10 8	3,490 645	20,308 3,546	2,366 545	4,941 1,104	11,696 2,897	47,732 11,683	1,063 (Z)	2,701 564	30,068 6,868
37 373 379	Transportation equipment Ship and boat building Transportation equipment.	115 22	48 4	30,305 1,075	223,111 4,800	21,236 966	46,822 1,695	143,664 3,934	515,766 6,708	11,557 (Z)	24,630 1,135	256,141 8,598
217	n.e.c	22	13	1,655	7,210	1,450	3,003	5,455	17,783	690	383	2,642
39 395	Miscellaneous manufacturing, including ordnance ³ Toys and sporting goods	141 24	32 9	4,688 921	18,278 3,176	3,933 794	7,420 1,517	12,596 2,348	38,399 3,634	1,474 (Z)	4,108 596	29,593 4,013
398 399 190	Miscellaneous manufactures	89	15	1,543	5,531	1,286	2,030	4,038	10,549	(Z)	1,418	7,137
	Administrative and auxiliary	_	_	4,445	33,873	_	_	_	_	_	r _{1,738}	_

Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand. TRevised.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) Permit further checking on figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 4.,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1952 (See text for explanation of column captions)

Code Industry group Establishments, number Number Payroll Number Man-hours Wages ture with 20 or more employ-ees (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,000) (\$1,00	41,092	All employ- ees, number	Value added by manufac- ture (\$1,000)
Total Ware Number Payroll Number Payroll Number Nu	expend- itures, new1 (\$1,000) es, Ga.) 41,092	employ- ees, number	added by manufac- ture
Consists of Clayton, Cobb, De Kalb, Fulton, and Oximmett Countiin	es, Ga.)	72	(\$1,000)
Consists of Clayton, Cobb, De Kalb, Fulton, and Oximett Countification Compute Countification Countification Compute Countification Compute Countification Count	41,092		
20		r	
201 Neat products 16 11 1,547 5,725 1,293 2,566 4,111 9,474 202 Dairies 26 13 1,806 8,894 816 1,915 4,031 14,809 203 Canned and frozen foods 17 7 6 289 1,333 225 1,002 1,971 7,671 204 Grain mill products 15 6 289 1,333 225 461 886 4,131 205 Bakery products 9 5 429 1,485 343 637 854 40,451 207 Candy and related products 9 5 429 1,485 343 637 854 3,094 208 Everages 20 12 1,495 9,219 614 1,339 3,056 41,449 209 Miscellaneous foods and kindred products 26 19 6,203 22,769 5,551 10,760 18,271 29,479 221 Textile mill products 26 19 6,203 22,769 5,551 10,760 18,271 29,479 221 Weaving mills, cotton 7 6 3,685 14,247 3,316 6,698 11,382 18,678 23 Apparel and related products 104 59 9,738 32,594 8,037 15,019 22,886 71,089		r83,534	711,947
202	7,529	12,002	121,970 13,163
204 Grain mill products. 15 6 289 1,333 225 461 986 4,131 205 Bakery products. 23 17 3,131 15,497 2,169 4,202 9,824 40,451 207 Candy and related products. 9 5 429 1,485 343 637 854 3,034 208 Beverages. 20 12 1,495 9,219 614 1,339 3,056 41,449 209 Miscellaneous foods and kindred products. 42 20 2,272 11,313 1,424 2,924 5,550 34,686 22 Textile mill products. 26 19 6,203 22,769 5,551 10,760 18,271 29,479 221 Weaving mills, cotton. 7 6 3,685 14,247 3,316 6,698 11,382 18,678 23 Apparel and related products. 104 59 9,738 32,594 8,037 15,019 22,886 71,089	840	1,841	14,449
205 Bakery products. 23 17 3,131 15,497 2,169 4,202 9,824 40,451 207 Candy and related products. 9 5 429 1,485 343 637 854 3,094 208 Beverages 20 12 1,495 9,219 614 1,339 3,056 41,449 Miscellaneous foods and kindred products. 42 20 2,272 11,313 1,424 2,924 5,550 34,686 22 Textile mill products. 26 19 6,203 22,769 5,551 10,760 18,271 29,479 221 Weaving mills, cotton. 7 6 3,685 14,247 3,316 6,698 11,382 18,678 23 Apparel and related products. 104 59 9,738 32,594 8,037 15,019 22,886 71,089	671 (Z)	643 335	2,561
20s Beverages	909 (2)	3,153	33,298
209 Miscellaneous foods and kindred products	2,268	1,202	
221 Weaving mills, cotton 7 6 3,685 14,247 3,316 6,698 11,382 18,678 23 Apparel and related products 104 59 9,738 32,594 8,037 15,019 22,886 71,089	1,983	2,312	24,481
23 Apparel and related products 104 59 9,738 32,594 8,037 15,019 22,886 71,089	1,446 918		25,542 14,505
231 Men's and boys' furnishings. 17 16 4,622 15,595 3,868 7,262 10,920 38,369	911 (Z)	7,072 3,490	36,665 17,997
233 Women's and misses' 20 17 1,119 3,441 998 1,713 2,581 6,353 239 Fabricated textiles, n.e.c 40 13 1,313 3,394 891 1,680 2,424 5,796	(Z) (Z)	778 970	
24 Lumber and wood products 98 14 1,144 3,967 920 1,755 2,678 6,860	(Z)	1,614	6,031
243 Millwork and related products 32 6 325 1,387 242 476 819 2,205 249 Miscellaneous wood products 18 5 538 1,966 438 832 1,335 3,822	(Z) (Z)	256 477	
25 Furniture and fixtures	575 (2)	3,807 3,203	24,224 20,512
26 Paper and allied products 51 33 5,710 30,043 4,282 8,824 19,039 52,729	4,588	4,313	38,166
265 Paperboard containers and boxes	3,509	2,448	20,416
27 Printing and publishing 259 63 6,537 39,136 4,376 9,077 24,292 69,024	2,762	5,912	53,638
272 Periodicals	(Z) (Z)	264 460	
273 Books	1,716		19,484
28 Chemicals and allied products 110 45 2,881 17,671 1,558 3,214 6,843 64,050	2,695	2,626	36,165
281 Basic chemicals	(Z) 1,421	1,079	
287 Agricultural chemicals 9 6 256 1,187 182 402 681 1,522	(Z)	203	
289 Miscellaneous chemical products	(Z)	246	3,136
30 Rubber and plastics products,			
n.e.c	(Z)	361	3,107
31 Leather and leather products 12 8 2,038 7,231 1,910 3,867 6,270 15,086	(Z)	1,735	9,463
32 Stone, clay and glass products. 86 35 3,602 16,934 2,876 5,883 12,343 42,040 5,841 1,013 2,166 3,650 15,496	2,506 1,783	2,408 784	
33 Primary metal industries 22 11 1,731 10,573 1.402 2,597 7,524 21,413	1,285	2,038	10,417
34 Fabricated metal products 129 47 4,003 21,075 2,980 6,048 14,014 40,250			
344 Structural metal products 83 30 2,346 11,581 1,677 3,425 7,059 19,915 349 Fabricated metal products	1,212	2,032	16,000
n.e.c		362	3,178
35 Machinery, except electrical 105 30 3,194 18,263 2,409 5,060 11,130 27,961 355 Special industry machinery 27 13 1,199 6,377 930 1,967 3,969 9,132	1,577 (Z)	3,002 993	
36 Electrical machinery 37 17 2,169 11,377 1,602 3,261 7,745 27,142	576	1,705	18,694
37 Transportation equipment 52 22 25,011 197,831 16,716 37,524 125,462 463,458	9,609	21,716	234,523
39 Miscellaneous manufacturing 67 17 2,581 10,863 2,107 4,124 6,932 21,755 394 Toys and sporting goods 9 4 430 1,493 379 719 1,106 2,391		2,749	
398 Miscellaneous manufactures 39 8 540 2,051 413 670 1,449 3,312	(Z)	543	2,979
- Administrative and auxiliary ³ 2,977 23,053		r _{1,083}	

⁻ Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand. Fevised.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.



U.S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

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U.S. DEPARTMENT OF COMMERCE







Area series

preliminary report

Value added by manufacturing in 1963 in the State of Hawaii amounted to \$254 million, an increase of 28 percent from 1962 and 54 percent from 1958. Of this total, \$173 million was contributed by the food and kindred products industries and \$17 million by the printing and publishing industries the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	All emp	oloyees	Pr	oduction worke	rs	Value	Capital	Index of (1958 •	change
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963. 1962 ⁵ 1961 ³ 1960 ⁵ 1959 ⁵ 1958.	657 (NA) (NA) (NA) (NA) 609	194 (NA) (NA) (NA) (NA) 179	24,960 22,645 23,238 23,456 25,962 23,896	106,808 94,028 93,375 89,391 93,106 82,249	18,716 16,159 16,840 17,358 19,397 17,823	33,114 29,926 31,212 32,705 35,938 31,930	67,097 57,524 57,412 56,632 61,781 51,802	254,454 198,982 204,491 183,244 197,104 164,861	16,132 14,215 31,547 60,595 (D) 17,181	104 95 97 98 109	154 121 124 111 119 100

(D) Withheld to avoid disclosing figures for individual companies. (NA) Not available.

*Includes expenditures for both plants in operation and for plants under construction but not in operation.

*Includes expenditures for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures voltumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

July 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in

EXPLANATION OF TERMS

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

<u>Production workers, wages.--This item consists</u> of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. -- This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1967: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

HAWAII PRINCIPAL ISLANDS

Places of 100,000 and over Places of 25,000-100,000 Standard Metropolitan Statistical Areas BUREAU OF THE CENSUS

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

State, standard metropolitan statistical areas, and counties ¹	1963									1958	
	Establishments, number		All employees ²		Production workers			Value added by	Capital	All employ-	Value added by
	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	expend- itures, new ³	ees, 2	manufac- ture
		ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
HAWAII, TOTAL	657	194	24,960	106,808	18,716	33,114	67,097	254,454	16,132	23,896	164,861
STANDARD METROPOLITAN STATISTICAL AREAS											
Honolulu4	512	146	17,690	77,662	13,104	22,953	47,095	168,563	9,409	15,990	107,049
COUNTIES1											
Hawaii	78 512 23	24 146 11	2,368 17,690 1,770	10,530 77,662 6,611	1,805 13,104 1,375	3,628 22,953 2,565	6,940 47,095 4,733	35,330 168,563 18,644	1,460 9,409 1,313	2,375 15,990 2,137	21,869 107,049 15,298
Kauai	44	13	3,132	12,005	2,432	3,968	8,329	31,917	3,950	3,394	20,645

Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The Honolulu Standard Metropolitan Statistical Area consists of Honolulu County, Hawaii.

Table 3. -- GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

(See sext for explanation of column captions)													
Code Industry (1963										1958	
	Industry group	Establishments, number		All employees		Production workers			Value added by	Capital expend-	All employ-	Value	
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new 1 (\$1,000)	ees,	manufac- ture (\$1,000)	
	All industries, total ²	657	194	24,960	106,808	18,716	33,114	67,097	254,454	16,132	23,896	164,861	
20 201 203 205 208	Food and kindred products Meat products Canned and frozen foods Bakery products Beverages	234 17 44 20 27	77 7 9 10	15,484 423 7,508 745 663	60,209 1,626 22,976 3,544 3,295	12,127 309 6,930 448 324	20,987 597 10,686 826 618	39,995 1,045 18,678 1,706 1,340	172,766 3,882 63,301 7,005 6,292	12,393 (Z) 1,902 (Z) 701	16,042 328 8,479 826 727	115,057 3,234 42,386 6,261 6,205	
23 232 233	Apparel and related products: Men's and boys' furnishings Women's and misses' outerwear	14 39	8 21	382 1,504	1,096 5,135	345 1,354	621 2,243	899 3 , 994	1,716 7,734	(Z) (Z)	439 1,117	1,455 4,715	
24	Lumber and wood products	40	8	472	2,221	378	770	1,716	3,933	(Z)	434	2,285	
27 271 275	Printing and publishing Newspapers Commercial printing	69 16 39	19 5 11	1,744 1,069 582	9,250 5,637 3,252	984 518 406	1,840 975 774	5,025 2,735 2,082	16,725 11,596 4,475	(Z) (Z) (Z)	1,639 1,112 478	12,510 9,015 3,312	
32 327	Stone, clay and glass products. Concrete and plaster products	28 11	11 8	728 460	4,237 2,689	523 325	999 609	2,499 1,582	12,204 7,036	587 (Z)	295 248	3,332 3,094	
35	Machinery, except electrical	26	4	400	2,228	332	672	1,730	3,320	(Z)	219	1,596	
39	Miscellaneous manufacturing	36	2	295	783	249	453	559	1,258	(Z)	162	854	
_	Administrative and auxiliary	-	-	708	5,447	-	-	-	-	-	881	-	

⁻ Represents zero. (2) Less than \$500 thousand.

*Includes expenditures for both plants in operation and for plants under construction but not in operation.

*The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

*In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or in the serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.



PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

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Area series

preliminary report

Value added by manufacturing in 1963 in the State of Idaho amounted to \$366 million, an increase of 23 percent from 1962 and 43 percent from 1958. Of this total, \$110 million was contributed by the food and kindred products industries and \$89 million by the lumber and wood products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. For 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1 .-- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis		All emp	loyees ¹	Pr	oduction worke	rs	Value	Capital	Index of (1958 =	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	1,104 (NA) (NA) (NA) (NA) (NA)	260 (NA) (NA) (NA) (NA) (NA)	30,809 29,448 29,202 29,399 28,274 27,582	162,470 150,179 143,112 141,585 137,224 128,146	24,373 23,395 23,422 23,611 22,775 22,149	48,873 45,645 45,013 46,240 45,566 42,992	116,556 110,135 105,770 105,478 103,000 96,509	365,695 297,256 280,105 276,181 280,373 255,775	28,140 26,561 25,997 37,440 23,450 19,196	112 107 106 107 103 100	143 116 110 108 110 100

NA) Not available. Revised.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

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Includes expenditures for both plants in operation and for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

June 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

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CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

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EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

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Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

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Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1965: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

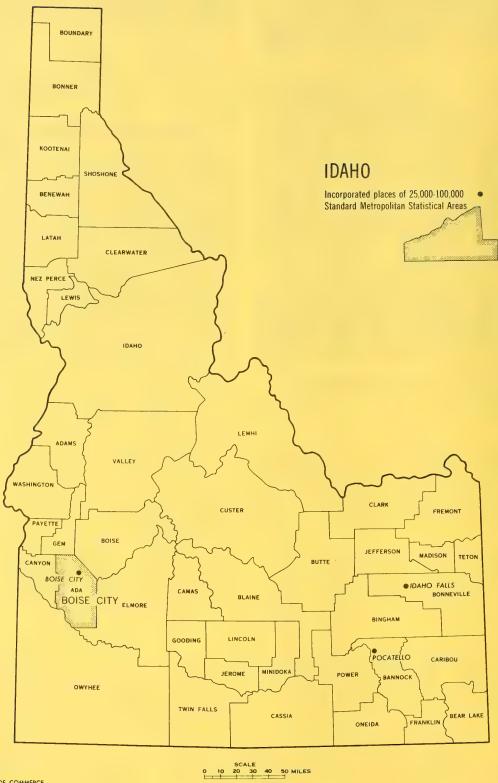
The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

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IDAHO

Table 2. — WEMBAL STATISTICS POR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1964

(See text for explanation of column captions)

					196	3				19	58
State, standard metropolitan		shments, ber	All emp	loyees ²	Pro	duction wor	kers	Value added by	Capital	All	Value added by
statistical areas, and counties ¹	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	ture (\$1,000)
IDAHO, TOTAL	1,104	260	30,309	162,470	24,373	42,573	116,556	365,695	22,140	27,582	r _{255,775}
Boise City ⁴	157	43	2,875	14,431	2,060	3,999	9,413	29,992	1,565	2,654	21,652
COUNTIES¹ Ada Fannock Fear Lake Benewah Bingham.	157 40 11 46 26	43 12 2 6 5	2,875 907 351 419 927	14,431 5,440 2,111 1,534 4,651	2,060 657 263 368 722	3,999 1,316 556 c86 1,442	9,413 3,583 1,493 1,337 2,888	29,992 7,859 3,056 2,580 13,403	1,565 691 (2) (2) 1,852	2 _± 654 ±957 52 474 597	21,652 F9,755 409 2,615 4,490
Bonner Fonneville Boundary Canyon. Cassia.	66 49 33 71 16	9 14 6 20 8	1,081 1,558 417 3,109 1,496	5,097 8,127 1,938 13,732 5,866	960 1,163 378 2,522 1,365	1,826 2,554 740 5,022 2,466	4,351 5,209 1,754 10,128 4,741	8,241 17,961 3,523 29,964 9,160	1,461 1,092 (Z) 975 931	1,161 1,568 334 3,021 424	7,835 16,822 2,565 27,039 2,912
Clearwater. Franklin. Idaho. Koofenai. Latah.	61 6 55 65 47	12 3 14 15 8	978 268 1,101 1,603 820	5,695 876 5,675 8,166 3,999	890 241 988 1,405 728	1,813 430 1,866 2,728 1,360	5,112 704 5,043 6,996 3,445	9,334 3,473 3,748 12,801 6,980	1,242 (Z) 1,380 1,283 1,394	1,290 243 1,025 1,525 880	8,878 1,610 6,614 8,111 4,335
Lewis. Minidoka. Payette. Twin Falls. Valley.	19 11 18 59 16	3 2 5 16 3	312 292 393 1,196 352	1,704 1,618 1,516 5,892 1,795	277 267 303 888 319	567 606 564 1,895 657	1,471 1,417 1,095 4,133 1,534	3,229 4,987 2,794 17,498 2,589	(Z) (D) (Z) 1,190 (Z)	168 231 370 1,017 342	1,318 3,614 4,637 9,877 3,079

⁽D) Withheld to avoid disclosing figures for individual companies. (Z) Less tham \$500 thousand. Frevised.

1-Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

2 Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

3 Includes expenditures for both plants in operation and for plants under construction but not in operation.

4 The Boise City Standard Metropolitan Statistical Area is coextensive with Ada County, Idaho.

1963 CENSUS OF MANUFACTURES

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958 (See text for explanation of column captions)

						196	3				19	 58
			shments, ber	All emp	loyees	Pro	duction wor	kers	Value	Capital	All employ-	Value
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	itures, new 1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
	All industries, total ²	1,104	260	30,809	162,470	24,373	48,873	116,556	365,695	28,140	27,582	r _{255,775}
20 201 202 204 205 208	Food and kindred products. Meat products. Dairies Grain mill products. Bakery products. Beverages	224 44 58 30 21 18	82 13 25 6 6	9,863 1,023 1,652 495 453 288	44,455 5,372 7,792 2,397 2,146 1,481	7,859 750 1,099 361 246 122	15,809 1,471 2,231 731 491 230	31,200 3,573 4,840 1,499 1,039 475	109,906 8,361 19,688 6,544 4,216 3,370	7,922 (Z) 61.5 571 (Z) (Z)	r7,996 833 r1,708 486 530 310	r78,073 8,389 17,478 5,356 3,989 3,155
24 241 242 243	Lumber and wood products Logging camps and contractors. Sawmills and planing mills Millwork and related products.	489 275 167 28	110 31 69 6	10,624 2,561 7,336 463	53,704 13,053 37,324 2,179	9,661 2,267 6,759 407	19,194 4,347 13,604 807	47,845 11,741 33,432 1,820	89,334 21,633 62,237 3,618	11,780 3,576 7,816 (Z)	10,337 2,424 7,551 148	66,990 16,916 47,889 802
27 271	Printing and publishing Newspapers	106 66	13 11	1,375 1,032	6,771 5,110	834 595	1,579 1,115	4,333 3,167	16,225 9,807	610 (Z)	1,321 983	10,456 8,114
28	Chemicals and allied products	18	6	3,225	24,558	1,610	3,420	10,638	76,537	2,257	2,425	41,345
32 327	Stone, clay and glass products: Concrete and plaster products.	52	10	638	3,361	480	967	2,328	5,678	601	752	7,021
34	Fabricated metal products	31	5	447	2,528	341	694	1,765	6,218	(Z)	547	3,496
35 352	Machinery, except electrical Farm machinery and equipment	65 31	8 3	556 303	3,112 1,579	443 250	921 534	2,350 1,233	5,048 2,426	(Z)	845 237	8,399 1,686
37 379	Transportation equipment: Transportation equipment, n.e.c	13	7	584	2,425	501	997	1,795	5,032	(Z)	166	608
39	Miscellaneous manufacturing, including ordnance3	27	4	386	1,612	326	653	1,146	2,623	(Z)	417	2,229
	Administrative and auxiliary4	-	-	351	3,404	-	-	-	-	-	r ₂₃₂	-

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

(This State contained no standard metropolitan statistical areas with 40,000 or more manufacturing employees)

⁻ Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand. TRevised.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

An addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported <u>separately</u> for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

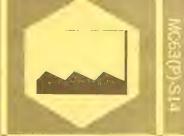
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1963 CENSUS OF MANUFACTURES



Area series

ILLINOIS

preliminary report

Value added by manufacturing in 1963 in the State of Illinois amounted to \$14,557 million, an increase of 6 percent from 1962 and 25 percent from 1958. Of this total, \$2,182 million was contributed by the non-electrical machinery industries and \$2,043 million by the food and kindred products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1. -- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	All emp	oloyeesl	Pr	oduction works	rs	Value	Capital	Index of	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	18,135 (NA) (NA) (NA) (NA) (NA)	6,694 (NA) (NA) (NA) (NA) 6,586	1,210,977 r1,194,014 r1,170,462 r1,209,028 r1,221,990 r1,188,976	7,555,218 77,199,961 r6,804,178 r6,846,452 r6,799,641 r6,225,082	856,874 837,494 815,627 847,665 873,128 835,233	1,719,739 1,697,798 1,626,516 1,705,305 1,757,349 1,631,757	4,663,642 4,440,588 4,137,369 4,233,626 4,264,566 3,833,476	14,557,060 13,676,249 12,730,249 12,624,176 12,871,577 11,664,070	775,365 768,513 702,278 718,810 665,778 730,728	102 100 98 102 103 100	125 117 109 108 110

(NA) Not available. Revised.
Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)
Includes expenditures for both plants in operation and for plants under construction but not in operation.
The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

August 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS, A. Ross Eckler, Director



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>—This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

<u>Production workers, wages.--This item consists</u> of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

I LLINOIS

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

ILLINOIS



ILLINOIS

Table ...--GENERAL STATISTICS I'M THE CHATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1 * * AND 1 * /

(See text for explanation of column captions)

					196	3				19	158
State, standard metropolitan		shments,	All emp	loyees²	Pro	duction wor	kers	Value	Capital	All	Value
statistical areas, and counties ¹	Total	With 20 or more	Number	Payroll	Number	Man-hours	Wages	added by manufac- ture	expend- itures, new	employ- ees, number ²	added by manufac- ture
	10001	employ- ees	Transce 1	(\$1,000)	Number 2	(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
ILLINOIS, TOTAL	18,135	6,694	1,211,977	7,200,218	271,874	1,719,739	٠, ١.٤, س <u>ـ</u>	14,5.7,000	775,301	1,188,976	11,064,07.
STANDARD METROPOLITAN STATISTICAL AREAS											
Chicago-Northwestern Indiana ⁴ Portion in Indiana	13,972 419	5,206 182	958,410 97,142	6,192,557 713,213	670,229 76,234	1,345,664	3,787,312 530,841	11,839,597	719,069 230,675	² 956,043 299,994	9,577,938 1,281,927
Portion in Illinois	13,554 95	5,024 29	861,268 3.278	5,479,344	593,995 1,988	1,195,478 4,253	3,256,471	41,597	488,394 4,281	r856,043 2,689	8,296,011 24,443
Chicago Davenport-Rock Island-Moline Portion in Illinois	13,554 455 280	5,024 167 106	Scl, 3 41,250 27,891	5,479,344 273,025 184,153	593,995 30,134 20,392	1,195,478 60,197 39,971	3,256,471 182,076 121,164	10,225,172 493,802 301,773	488,394 35,721 20,883	r856,043 39,235 27,172	8,296,011 404,876 282,092
Portion in Iowa	175	61	13,359	38,872	9,742	20,226	60,912	192,029	14,838 27,239	12,063	122,784
Peorla ¹⁰ Rockford ¹⁰ St. Louis ¹¹ Portion in Illinois	359 180	134 223	40,021 43,507	276,684 271,829	27,673 31,212	55,207 65,570	172,264 176,100	18t,c76 488,026	24,141 21,893	r37,636 r40,756	492,193 362,831
Portion in Illinois	3,126 438 2,688	1,228	259,146 32,062 200,094	1,659,123 340,689 1,318,434	179,493 39,970 139,523	360,045 78,131 281,914	1,007,392 240,731 766,661	3,247,607 694,064 2,553,543	168,797 59,484 109,313	262,504 54,215 208,289	2,416,983 556,949 1,860,034
Springfield ¹²	146	53	11,721	68,320	8,035	16,092	43,606	118,174	9,487	11,195	99,623
COUNTIES1											
AdamsAlexander	98 20	40 t	8,010 493	41,147 1,635	5,933 405	12,238 806	26,850 1,246	125,141 2,686	4,841 (Z)	7,309 703	92,824 4,378 4,306
Bond	13 38 :7	19 17	425 2,429 2,071	1,789 13,964 9,733	297 1,802 1,740	586 3,717 3,460	1,318 8,887 7,231	10,732 23,897 23,170	(Z) 1,12c 1,365	579 r _{2,333} 1,604	16,640 11,676
Carroll	27	0	560	2,273	467	963	1,653	4,583	(Z)	501	3,982
Cass	18 95 35	3 29 17	321 3,278 1,345	1,582 20,085 6,936	1,988	549 4,253 2,012	1,133 11,033 4,616	3,002 41,597 15,389	(Z) 4,281 814	458 2,689 1,519	3,264 24,443 13,074
Olay	13	5	821	2,731	732	1,398	2,326	6,540	(Z)	541	3,670
Clinton Coles Cook	39 56 11,810	10 21 4,376	1,257 3,528 749,396	5,841 17,044 4,809,936	974 2,961 514,752	1,837 5,765 1,035,661	3,197 12,355 2,843,170	13,469 44,202 8,942,182	(Z) 1,478 398,313	1,038 3,354 ^r 766,174	11,426 29,314 7,376,735
CrawfordCumberland	27 12	9	1,945 489	10,583 1,174	1,591 460	3,178 771	7,864 1,042	29,922 1,584	1,358 (Z)	1,883 498	31,885 1,309
De Kalb De Witt	96 19	35 5	6,890 758	38,508 3,88c	5,402 603	11,007 1,152	26,781 2,826	90,531 7,912	4,552 530	5,708 370	53,056 2,510
Du Page Edgar	453 28	141 13	15,467 1,981	95,043 8,834	9,917 1,579	18,885 3,368	48,718 5,794	152,201 13,630	15,419 591	8,248 1,378	71,688 6,382
Edwards Effingham.	11	10	402 1,733	1,258 7,619	349 1,394	519 2,687	1,018 5,669	2,155	(Z) (Z)	321 1,486	964 8,009
FayetteFranklin	∠8 37	c 11	1,032 1,045	3,514 2,960	955 78c	1,955 1,334	3,230 2,139	5,394 5,378	(Z) (Z)	741 658	3,523 3,272
Fulton Greene	29 22	9	2,417 560	15,503 2,169	1,833 472	3,601 810	11,118 1,499	31,774 3,537	1,142 (Z)	2,233 325	20,973 2,298
Grundy	34 13	le 3	2,197 425	13,141 1,097	1,748 396	3,474 703	10,091	21,597 1,916	1,523 (Z) (Z)	2,091 353	22,172 1,133
Hancock. Henry. Iroquois.	26 69 34	9 21 10	537 2,351 1,952	2,172 12,122 7,753	407 1,719 1,663	835 3,442 3,076	1,474 7,480 5,895	3,616 20,384 16,675	(Z) 1,827 967	581 3,274 1,581	4,472 27,869 10,525
Jackson	34	9	1,822	7,241	1,541	2,992	5,358	11,863	546	1,382	7.144
Jasper Jefferson Jo Daviess	13 32 31	13	716 1,430	2,385 5,786 1,970	658 1,224	1,242 2,202 738	1,931 4,603 1,476	4,253 10,055 3,580	(Z) (Z)	358 1,650 595	1,429 9,564 4,954
Kane	464	198	33,163	193,730	23,752	48,377	119,978	349,373	(Z) 29,807	28,758	250,060
Kankakee Kendall.	96 28	48 13	9,896 4,788	60,809 29,897	7,423	14,762 7,313	42,288 20,912	180,833 52,243	6,720 3,516	9,367 2,614	130,709 30,071
KnoxLakeLa Salle	62 - 376 - 149 -	24 134 67	5,462 31,466 15,226	30,045 192,304 86,895	4,228 20,743 12,767	7,945 42,211 25,652	22,302 113,668 68,910	63,679 435,953 203,755	4,181 26,69c 18,689	6,681 27,044 17,035	52,182 319,820 189,195
LeeLivingston	43 45	17 19	1,806	9,220 11,471	1,277 1,8c0	2,618 3,577	6,117 7,397	28,754 20,898	1,520 1,243	2,280 2,120	25,505 17,275
Logan McDonough	29 35	13 14	2,599 1,383	12,311 6,007	2,178 1,114	4,310 2,222	9,570 4,615	43,312 12,897	1,798 (Z)	1,868 1,587	25,173 11,299
McLean.	214	78 30	12,547	65,300 25,511	9,902	19,920	41,782	114,894	4,744	8,196	85,687 45,947
Macon Macoupin	124 47	61 9	4,524 13,686 778	91,881	3,148 9,419 614	6,040 19,098 1,213	14,945 54,471 2,218	68,050 201,085 7,636	2,049 27,239 564	4,420 14,057 694	143,926 4,990
Madison	190 35	78 10	33,471 1,399	226,888	26,691 1,082	1,213 52,090 2,066	2,218 165,534 3,781	457,617 13,267	48,441 517	33,547 2,083	353,357 13,738

1963 CENSUS OF MANUFACTURES

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958—Continued

(See text for explanation of column captions)

					196	i3				19	58
State, standard metropolitan statistical areas.		shments, ber	All emp	loyees ²	Pro	duction wor	kers	Value	Capital	All	Value
and counties ¹	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	added by manufac- ture	expend- itures, new ³	employ- ees, number ²	added by manufac- ture
		ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
COUNTIES1Continued											
Marshall Montgomery Morgan Moultrie Ogle	18 45 36 13 57	5 13 11 5 26	658 1,970 1,948 689 4,745	3,008 8,828 9,848 2,694 27,635	576 1,647 1,443 581 3,910	1,140 3,308 2,665 1,030 8,247	2,220 6,649 6,292 2,044 21,414	5,549 16,229 27,225 7,574 53,793	(Z) (Z) 1,516 (Z) 1,959	594 1,841 1,520 571 3,853	2,763 13,418 16,856 4,179 33,811
Peoria Perry. Piatt. Pike. Pulaski	252 31 19 18 8	101 15 3 4 2	18,049 1,572 464 637 259	124,482 6,640 2,318 1,983 891	12,759 1,199 385 584 222	25,481 2,427 760 972 456	80,627 4,521 1,864 1,724 725	266,252 11,502 10,196 4,264 1,611	11,906 519 (Z) (Z) (Z)	r _{15,158} 1,507 497 748 220	182,985 7,992 10,061 4,811 579
Randolph, Richland, Rock Island St, Clair, Saline	32 17 211 248 20	13 8 85 91 6	2,066 1,256 25,540 18,581 380	8,844 4,568 172,031 113,801 1,505	1,828 1,056 18,673 13,279 253	3,586 1,973 36,529 26,041 456	7,644 3,378 113,684 75,197 902	20,450 10,703 280,526 236,447 2,659	697 623 19,056 11,043 (Z)	2,561 554 F23,898 20,668 395	15,792 2,040 254,223 203,592 2,416
Sangamon, Shelby, Stark, Stephenson, Tazewell	146 15 9 73 82	53 6 5 23 27	11,721 909 274 7,667 21,492	68,320 4,807 1,193 37,090 149,726	8,035 728 182 5,298 14,565	16,092 1,392 384 10,549 29,030	43,606 3,364 717 22,203 90,018	118,174 5,862 2,419 77,083 315,117	9,487 (Z) (Z) 11,743 11,990	11,195 609 215 6,156 21,893	99,623 3,356 1,378 52,502 304,574
Union. Vermillion. Wabash Warren. White.	19 126 13 24 16	8 72 5 4	613 12,124 630 738 500	2,236 68,602 3,318 2,693 1,536	531 9,597 474 614 458	1,067 19,375 927 1,246 841	1,889 49,267 2,405 2,021 1,354	6,153 151,171 8,356 4,170 2,700	(Z) 11,581 (Z) (Z) (Z) (Z)	648 10,134 870 767 432	3,561 94,100 8,530 3,626 1,879
Whiteside Will. Williamson, Winnebago, Woodford.	63 237 52 542 25	28 97 14 204 6	7,739 19,229 3,995 41,078 480	55,338 123,031 18,022 257,865 2,476	6,046 14,929 3,074 29,410 349	12,391 30,424 6,171 61,853 696	40,125 89,155 12,862 167,213 1,619	110,514 230,569 31,481 464,129 5,307	9,282 13,415 3,175 20,767 (Z)	6,691 17,623 3,927 r38,423 585	87,125 192,021 20,983 346,191 4,634

[2] Less than \$500 thousand. Revised.

Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and auxiliary units. (Eor a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The Chicago, III. Northwestern Indiana Standard Consolidated Area consists of Chicago, III., and Gary-Hammond-East Chicago, Ind., Standard Metropolitan Statistical Area is coextensive with Champaign County, III.

The Champaign-Urbana Standard Metropolitan Statistical Area is coextensive with Macon County, III.

The Davenport-Rock Island-Moline Standard Metropolitan Statistical Area consists of Scott County, Iowa, and Henry and Rock Island Counties, III.

The Decatur Standard Metropolitan Statistical Area consists of Boone and Winnebago Counties, III.

The Rockford Standard Metropolitan Statistical Area consists of Boone and Winnebago Counties, III.

The St. Louis Standard Metropolitan Statistical Area consists of St. Louis City, Franklin, Jefferson, St. Charles, and St. Louis Counties, Mo., and Madison and St. Clair Counties, III.

Stringfield Standard Metropolitan Statistical Area is coextensive with Sangamon County, III.

Table 3.—GENERAL STATISTICS FOR THE CTATE, BY SELECTED INDUSTRY GROUPS: -1.63 AND 1.763

(See text for explanation of column captions)

		1963									3.0	58
		F				190					19	700
Code	Industry group	Establi num	with 20 or more	All emp	loyees	Pro	duction wor	kers	Value added by manufac- ture	Capital expend- itures, new1	All employ- ees, number	Value added by manufac- ture
		Total	employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	(\$1,000)	(\$1,000)	Humber	(\$1,000)
	All industries, total ²	18,135	6,694	1,210,977	7,555,218	856,874	1,719,739	4,663,642	14,557,060	775,365	1,188,976	11,664,070
20	Food and kindred products	1,892	803	115,439	696,121	79,687	165,025	434,265	2,043,377	117,246	128,982	1,653,037
201	Meat products	295	108	18,609	115,107	14,470	29,415	84,456	205.577	7,403 7,826	20,370	226,185
202	Dairies	311 171	156 74	11,206	71,460	5,499 8,021	11,591	33,099 37,524	172,456 168,454	33,579	14,741	148,608 118,586
204	Grain mill products	145	65	14,498	94,827	10,379	22,181	64,991	373,372	21,319	14,739	275,701
207	Candy and related products	115	63	15,258	79,562	12,144	24,601	53,842	229,417	8,536	15,724	186,470
208	Beverages Miscellaneous foods and	261	98	12,380	82,704	6,929	14,144	42,058	303,633	11,289	11,464	187,915
209	kindred products	282	111	13,597	84,974	9,123	18,963	49,995	32r, 76c	15,363	14,368	276,641
22	Textile mill products	87	42	6,949	33,532	5,144	11,733	23,595	55,931	2,705	8,126	60,082
225 229	Knitting mills	13 38	20	1,181 2,969	3,940 16,506	1,068 2,194	1,968 4,640	3,308 10,994	5,859 31,198	(Z) 2,114	1,455 3,434	8,086 33,032
23	Apparel and related products	871	355	40,203	152,121	34,244	61,548	110,842	264,651	3,292	44,345	246,407
232	Men's and boys' furnishings	85	44	4,367	13,202	3,991 10,079	7,111	10,752	23.757	(Z)	4,625	21,834
233 234	Women's and misses' outerwear. Women's and children's	209	129	11,759	40,082	10,079	17,291	29,149	64,993	907	13,655	66,333
	underwear	26	24	4,078	17,775	3,355	6,294	10,893	38,644	(Z)	4,550	35,719
235 238	Millinery, hats and caps Miscellaneous apparel	47 52	22 22	1,350 2,628	4,593 8,134	1,190 2,353	2,084 4,144	3,733 6,251	7,974 15,488	(Z) (Z)	1,889 2,971	10,836 13,790
239	Fabricated textiles, n.e.c	338	89	7,436	29,973	6,212	11,703	21,133	54,441	1,177	7,076	47,635
24	Lumber and wood products	649	1.30	11,105	03,051	8,936	17,788	37,554	86,711	3,905	11.836	77,460
243	Millwork and related products.	259	50	4,194	23,659	3,146	6,505	15,485	38,620	1,354	4,735	34,508
249	Miscellaneous wood products	132	42	4,074	19,904	3,278	6,580	13,645	32,747	1,206	3,635	25,653
25	Furniture and fixtures	585	218	23,539	122,042	18,438	37,197	85,655	208,337	10,540	24,705	188,082
251 254	Household furniture	312 153	129 54	13,771	65,637	11,239	22,399	47,668	105,:23 54,910	3,566	16,870	118,395
259	Partitions and fixtures Furniture and fixtures, n.e.c.	68	13	5,263 1,854	31,715 9,391	3,717 1,401	22,399 7,801 2,733	20,938 6,086	15,017	2,845 (2)	3,758 1,826	36,431 12,411
26	Paper and allied products	457	289	36,735				143,324	380,378		31,922	286,977
263	Paperboard mills	16	15	2,207	213,502 14,707	28,427 1,767	58,371 3,706	10,814	29,196	28,169 2,324	2,447	29,367
264	Paper and paperboard products.	196	103	13,332	77,139	10,133	20,547	49,248	148,228	9,910	11,555	101,019
265	Paperboard containers and boxes	227	156	19,989	113,576	15,497	31,940	76,850	187,782	15,353	16,478	140,178
27	Printing and publishing	2,897	697	95,658	647,216	61,524	120,173	392,231	1,193,866	53,941	r _{22,878}	918,520
271	Newspapers	458	108	19,673	121,354	9,970	17,754	63,280	206,361	10,519	19,729	173,787
272	Periodicals	260	59	6,012	42,300	1,187	. 2,123	6,324	95,355	1,671	r,567 7,037	70,784
273 274	Books Miscellaneous publishing	138	51 26	9,045 4,036	58,668 30,794	3,100 2,010	6,272 3,910	18,409 14,971	214,748 68,655	1,356	3,788	136,510 45,712
275	Commercial printing.	1,492	298	39,902	283,500	31,596	63,149	209,242	432,104	26,379	39,458	345,584
276 277	Manifold business forms	41 27	23	3,243	22,105 7,944	2,427	5,143	14,114 5,738	44,775	3,298	2,196	26,107
278	Greeting card manufacturing Bookbinding and related work	142	13 59	1,916 6,170	32,407	1,465 5,293	2,899	23,988	13,412 52,474	613 2,246	2,647 6,204	14,517 42,951
279	Printing trades services	240	60	5,661	43,144	4,476	8,605	37,165	65,982	1,567	6,252	62,568
28	Chemicals and allied products	927	320	47,519	308,629	29,024	59,037	160,064	1,215,130	77,297	46,176	847,831
281 282	Basic chemicals	93 45	47	9,900	71,782	6,476 802	13,174	42,981	238,512	25,694 4,743	9,077	141,328
283	Fibers, plastics, rubbers Drugs	106	12 40	1,271 8,778	8,627 50,489	4,231	1,657 8,379	4,494 21,349	32,575 231,516	6,165	1,607 9,047	47,753 160,092
284	Cleaning and toilet goods	225	62	9,72-	56,976	6,615	13,281	32,436	407,143	19,886	9,267	258,307
285 289	Paints and allied products Miscellaneous chemical	174	77	8,747	57,506	5,149	10,783	28,206	151,441	4,539	8,548	130,982
	products	20é	58	6,867	45,784	4,292	8,837	23,278	120,640	5,927	6,759	85,327
29	Petroleum and coal products	98	50	11,356	83,516	8,081	15,601	52,419	248,537	13,969	1-,140	208,297
291 295	Petroleum refining Paving and roofing materials	19 43	1.3 22	7,070 3,003	56,191 18,386	5,059 2,295	9,195	35,393 12,949	180,822 39,328	11,416	9,377 3,719	157,209 34,416
299	Petroleum and coal products,	4-5	22			2,290	4,864			1,373		J+,410
	n.e.c	36	15	1,283	8,939	727	1,542	4,077	28,387	_,180	1,044	10,572
30	Rubber and plastics products,	101	000	00.000	2 - 2 - 2	22 (22	15 (26	200 000	205 545	10.000	20.342	125 272
307	n.e.c Plastics products, n.e.c	464 3 75	222 177	28,700 19,971	158,534	22,583 15,872	45,419 32,115	106,502 74,676	305,547 210,404	49,828 21,405	22,143 16,311	185,240 140,440
31	Leather and leather products:											
311 314	Leather tanning and finishing. Footwear, except rubber	23	15 31	2,283	12,983	2,062	4,286 17,883	10,615	21,829 78,820	578	2,303 13,082	18,274 74,797
315	Leather gloves	38	21	10,902 584	34,490 1,763	10,027 538	1.119	32,675 1,491	1.868	(2)	579	2,830
316	Luggage	45	10	1,017	3,897	870	1,707	2.656	6.091	(Z) (C) (C) (C) (C)	1,006	5,984
317 319	Purses and small leather goods Leather goods, n.e.c	24	9	761 565	2,862 2,202	664 480	1,222 1,077	2,073 1,560	4,300 3,818	(2)	814 359	4,637 2,136
227	Toronto Booms, mechanisms	201		200	2,202			1,500	5,010	(2)		-,

1963 CENSUS OF MANUFACTURES

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY CROUPS: 1963 AND 1958—Continued

(See text for explanation of column captions)

_		1963									19	E8
		Fotobld	ahmanda			190	· · · · · · · · · · · · · · · · · · ·				19	
Code	Industry group	num	with 20	All emp	loyees	Pro	duction wor	kers	Value added by manufac-	Capital expend- itures,	All employ- ees,	Value added by manufac-
		Total	or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	ture (\$1,000)	new ¹ (\$1,000)	number	ture (\$1,000)
32	Stone, clay and glass products	883	266	38,130	224,998	30,906	63,312	169,778	490,419	23,279	37,724	418,759
322 323	Pressed and blown glassware Products of purchased glass	18 59	13 18	9,310 2,386	51,739 15,078	8,397 1,975	17,144 3,944	44,944 11,730	103,702 39,937	3,503 883	8,270 3,294	84,613 47,983
325	Structural clay products	41	34	2,352	12,431	1,979	3,947	9,533	18,459	940	2,803	21,388
326	Pottery and related products	27	16	3,155	15,222	2,679	5,322	12,060	21,874	754	3,141	20,317
327 328	Concrete and plaster products. Cut stone and stone products	515 39	93	6,890 448	43,504 2,782	5,007 326	10,604	29,267 1,878	101,132 3,947	7,033 (Z)	6,335 634	78,890 5,020
329	Nonmetallic mineral products	175	76	11,529	69,145	8,719	17,955	47,281	154,039	7,434	10,492	117,111
33	Primary metal industries	572	334	96,981	684,759	79,183	157,386	516,176	1,158,132	93,192	89,432	906,854
331	Steel rolling and finishing	70	51	47,913	363,778	39,169	76,955	277,408	618,537	49,716	44,450	512,024
332 334	Iron and steel foundries Secondary nonferrous metals	110	87 24	18,387 2,518	117,446 16,660	15,485 1,879	30,058 4,018	89,857 10,464	178,638 34,536	12,184 3,120	16,357 3,489	110,239 35,992
335	Nonferrous rolling and drawing		39	13,584	91,209	10,455	21,724	65,308	171,658	21,102	10,626	128,439
339	Primary metal industries,											
	n.e.c	93	50	6,312	45,669	5,141	10,167	34,193	77,908	3,114	5,932	55,902
34	Fabricated metal products	2,416	964	123,177	753,208	97,569	200,120	534,484	1,369,080	64,426	127,744	1,201,275
341 342	Metal cans	21 190	21 87	10,053 15,441	71,009 87,331	8,657 12,321	18,026 25,019	58,340 62,824	138,199 172,582	10,342 5,516	11,233	146,839
343	Plumbing and heating, except											
344	electric	82 624	43 ! 226	5,957	35,649 118,492	4,365	8,693	22,378 80,507	70,182 215,712	2,059 9,940	7,914 21,640	81,006 211,990
345	Structural metal products Screw machine products	344	138	20,248 18,453	120,189	15,266 14,499	30,810 32,742	86,511	212,393	10,813	16,052	145,000
346	Metal stampings	334	150	16,571	100,423	13,612	27,870	72,892	174,746 77,705	6,269	17,284	154,341
347 348	Metal services, n.e.c	408	122	8,511	45,922	7,065	13,841	33,589	77,705	3,112	7,769	57,266
348	Fabricated wire products, n.e.c	166	68	8,817	50,256	7,350	14,239	36,187	71,359	3,603	7,456	57,858
5.47	n.e.c	247	109	19,126	123,937	14,434	28,880	81,256	236,202	12,772	23,279	218,154
35	Machinery, except electrical	2,701	826	177,302	1,194,760	128,179	264,081	794,759	2,181,630	103,099	164,447	1,723,164
352 353	Farm machinery and equipment Construction and like	111	63	23,567	156,967	17,932	35,366	111,894	288,550	20,754	26,730	285,018
354	equipment Metalworking machinery	172 849	80 211	52,696	358,749	39,298	79,635	249,456	685,794	31,466 13,020	45,196 26,998	550,215 238,267
355	Special industry machinery	265	107	29,754 14,479	214,009 100,686	22,171 9,844	48,572 20,544	147,574 62,093	349,737 173,573	6,316	14,257	130,422
356	General industrial machinery	372	134	20,104	133,986	13,998	29,226	83,496	267,110	8,490	19,140	202,301
357	Office machines, n.e.c	54 193	35	7,738	45,808	4,860	9,644	25,910	107,176	4,633 4,252	6,770 8,144	73,300 82,684
358	Service industry machines		81	9,703	60,260	6,353	13,140	33,654	112,073			1
36 361	Electrical machinery Electric distribution products	928 107	526 57	167,132 15,317	927,248 86,847	124,429	241,775 22,763	590,446	1,781,288	73,328 6,261	162,255 14,899	1,455,423
362	Electric industrial apparatus.	125	67	10,557	56,354	11,449 7,826	15,739	55,667 35,733	118,059	4,338	10,343	92,844
363	Household appliances	75	43	23,496	142,962	18,750	35,100	101,997	283,018	9,181	23,518	229,224
364 365	Lighting and wiring devices Radio and TV receiving	206	111	18,232	97,503	13,616	26,729	60,741	196,761	6,782	17,281	154,955
	equipment	71	45	29,953	147,947	25,521	49,213	108,547	300,139	13,045	21,509	207,654
366 367	Communication equipment	80	44	42,319	269,770	26,110	50,866	146,366	509,948	19,432	52,775 17,321	482,668
369	Electronic components Electrical products, n.e.c	183 81	120 39	20,643	91,979 33,886	16,302 4,855	31,604 9,761	59,564 21,831	136,180 74,183	11,636 2,653	4,609	112,928 43,560
37	Transportation equipment	276	124	40,614	283,126	31,517	66,182	201,507	595,239	24,895	44,673	535,606
371	Motor vehicles and equipment.	175	84	22,174	156,388	18,319	40,366	119,877	367,443	14,779	22,011	248,217
372	Aircraft and parts	24	17	6,282	43,924	4,058	7,619	25,032	63,533	3,396	11,041	171,816
374	Railroad equipment	. 24	13	10,39-	72,251	7,740	15,322	49,028	146,884	5,041	9,672	101,072
38 381	Instruments and related products	375 57	146 23	36,963	222,639	25,369 2,018	50,456	129,545 10,054	474,959 36,146	16,378	30,962	302,905
382	Scientific instruments Mechanical measuring devices	65	29	3,013 12,785	17,666 75,782	8,699	4,039 17,700	45,154	164,963	1,348 4,545	2,229 7,778	22,212 88,973
383	Optical instruments and lenses	19	8	526	3,189	397	824	2,219	4,606	4,545 (Z)	721	5,402
384	Medical instruments and supplies	106	37	5,883	20 261	3,978	8,052	21,331	103,475	5,132	5,706	76,428
385	Ophthalmic goods	32	5	625	38,364 3,452	456	855	2,237	5,577	(Z)	180	1,685
386	Photographic equipment	74	31	7,798	50,319	4,820	9,276	25,593	100,208	2,809	7,903	76,314
387	Watches, clocks, and	22	13	6 333	33,867	5,001	9,710	22,957	59,984	2,070	6,445	31,891
20	Watchcases	22	13	6,333	55,007	J,001	7,710	22,957	27,704	2,010	5,445	22,071
39	Miscellaneous manufacturing, including ordnance ³	875	303	36,468	191,699	27,816	55,761	125,160	364,692	14,050	35,671	316,356
391	Jewelry and silverware	53	11	996	5,476 27,173	743	1,525 7,814	3,517	10,649	(Z)	1,024	7,913
393	Musical instruments and parts.	45	23	4,951	27,173	3,690	7,814	17,419	56,536	1,832 4,095	5,252	48,515 66,996
394 395	Toys and sporting goods Pens, pencils and office	170	68	7,801	36,894	6,407	12,327	26,464	74,672	4,090	6,796	
	supplies	77	36	2,369	12,821	1,731	3,544	7,723	24,778	762	2,025	18,954
396 398	Costume jewelry and notions	53	12	1,307	5,504	985	1,768	3,177	11,211	(Z)	1,926	12,515
399	Miscellaneous manufactures3	467	145	13,778	75,068	10,901	22,274	49,882	126,438	3,838	18,648	161,463
190	Y										r	
	Administrative and auxiliary4	-	-	59,925	537,239	-	-	-	_	-	r _{51,131}	-

Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand. Revised.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) to avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and psyroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which cervice the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishments at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

ILLINOIS

Table -. -GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH -0,000 OR MORE MANUFACTURING EMPLOYEES: 1 -03 AND 19:3

(See text for explanation of column captions)

-		1963									19	58
			shments,	All emp	loyees	Pro	duction wor	kers	37-3	0	All	17-2
Code	Industry group	Total	With 20 or more	Number	Payroll	Number	Man-hours	Wages	Value added by manufac- ture	Capital expend- itures, new1	employ- ees, number	Value added by manufac- ture
		2000	employ- ees	110000	(\$1,000)	1144400	(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
					(See fo			N INDIANA SM e 2 for SMSA	SA description)		
	All industries, total ²	13,972	5,206	958,410	6,192,557	670,229	1,345,664	3,787,312	11,839,597	719,069	r _{956,043}	9,577,938
201 201 202 203	Food and kindred products Neat products Dairies Canned and frozen foods	1,111 173 138 131	507 76 83 50	78,646 11,310 6,624 6,971	485,245 71,484 47,619 42,086	53,789 8,898 2,921 5,170	111,191 17,917 6,048 10,825	295,379 51,087 20,109 27,382	1,424,900 147,015 109,968 132,006	80,910 3,307 4,525 30,089	90,879 18,259 8,293 7,115	1,191,691 166,706 93,584 96,930
204 20: 207 208	Grain mill products Bakery products Candy and related products Beverages.	53 191 99 140	23 87 54 59	6,331 17,103 13,118 7,397	41,161 98,392 70,480 51,374	4,898 11,555 10,518 3,486	10,367 23,975 21,576 7,229	31,551 60,898 48,291 20,285	177,347 237,017 197,566 170,537	7,956 10,045 7,581 (D)	7,025 19,044 13,845 1,634	140,650 211,299 166,404 19,003
209	Miscellaneous foods and kindred products	183	73	9,624	61,438	6,230	13,015	35,037	250,550	9,251	10,353	214,756 48,918
22 225 229 23	Textile mill products Knitting mills Miscellaneous textile goods Apparel and related products	68 9 33 751	29 5 17 268	2,840	26,719 2,449 15,898	4,007 607 2,092	8,620 1,102 4,445	18,584 2,092 10,536	44,887 4,156 30,197 210,867	2,282 (2) 2,078 2,609	6,086 743 3,260 33,096	3,689 31,801 206,308
231	Men's and boys' suits and coats	4c 67	16 28	29,262 7,200 2,654	120,216 33,279 9,126	24,325 5,828 2,355	44,051 10,691 4,255	84,437 24,601 6,936	51,577 15,802	(Z) (Z)	8,096 2,955	43,050 17,195
233 234	Women's and misses' outerwear. Women's and children's underwear	164 17	92 15	7,323 2,995	28,126 14,804	6,397 2,365	11,113	21,020 8,273	45,857 33,401	574 (Z)	8,822 3,530	50,595 31,524
235 236 238 239	Millinery, hats and caps Children's outerwear Miscellaneous apparel Fabricated textiles, n.e.c	41 13 45 310	16 2 16 82	1,093 269 1,403 6,199	3,773 880 4,711 24,819	705 226 1,185 5,154	1,153 419 2,101 9,633	1,947 650 3,283 17,130	6,864 1,401 9,727 44,621	(Z) (Z) (Z) 1,046	1,595 381 1,488 6,094	9,859 2,100 8,622 41,551
25 251 254 259	Furniture and fixtures Household furniture Partitions and fixtures Furniture and fixtures, n.e.c.	493 263 131 58	182 110 41 12	21,483 12,795 4,418 1,762	113,236 62,671 27,010 9,015	16,502 10,147 3,059 1,327	33,470 20,469 6,397 2,580	77,887 44,050 17,562 5,787	194,305 106,326 47,118 14,390	9,797 3,386 2,303 (Z)	20,736 13,855 3,112 1,672	161,551 100,438 30,684 11,377
26 264 265	Paper and allied products Paper and paperboard products. Paperboard containers and	388 179	239 95	29,612 11,698	173,355 69,443	22,662 8,746	47,198 18,210	114,170 43,955	312,448 134,597	23,375 8,726	25,180 10,350	221,970 92,143
26b	boxes Building paper and board mills	188 10	127 7	16,602 413	95,271 2,790	12,818	26,633 722	63,302 2,402	159,193 4,872	14,041 (Z)	13,503 490	113,993 5,409
271 271 272 273 274	Printing and publishing Newspapers Periodicals Books. Miscellaneous publishing	2,221 157 237 121 86	572 48 58 45 24	81,324 13,779 5,674 8,952 3,905	568,177 93,276 40,551 57,055 30,274	52,235 7,279 1,002 3,155 1,925	101,630 12,503 1,805 6,282 3,784	342,607 50,013 5,436 17,997 14,688	1,054,521 158,189 92,350 211,670 67,935	44,149 6,308 1,568 6,152 1,323	r80,229 14,033 5,369 r7,252 3,692	821,133 133,668 68,634 137,560 45,343
275 276 277 278 279	Commercial printing	1,234 32 25 129 200	261 15 12 55 54	34,340 2,132 1,691 5,697 5,154	250,250 15,257 6,911 30,314 44,289	27,042 1,554 1,296 4,901 4,081	54,155 3,279 2,555 9,516 7,751	183,172 9,532 4,948 22,586 34,235	378,285 27,600 10,951 48,729 58,812	23,518 1,523 (Z) 2,130 1,370	34,021 1,860 2,426 5,868 5,708	304,556 20,521 13,128 41,010 56,713
28 281 283 284 285 287	Chemicals and allied products Basic chemicals Drugs Cleaning and toilet goods Paints and allied products Agricultural chemicals	775 74 83 202 154 25	259 37 25 58 68 9	37,858 5,917 6,804 9,676 7,651 714	251,678 44,807 43,107 59,469 51,279 3,983	22,896 3,886 3,159 6,624 4,558 440	46,383 7,956 6,222 13,294 9,494 858	127,978 26,264 15,846 34,570 25,323 2,150	1,023,319 146,427 173,774 402,775 133,736 9,255	48,750 13,893 5,230 18,921 4,368 (Z)	36,614 6,153 6,795 9,617 7,310 702	731,419 143,181 128,569 256,845 116,007 8,735
289	Miscellaneous chemical products	189	51 .	5,499	37,950	3,163	6,445	17,310	101,069	4,319	5,394	71,541
29 291 295 299	Petroleum and coal products Petroleum refining. Paving and roofing materials Petroleum and coal products,	83 13 41	45 12 20	11,785 7,817 2,847	88,921 62,873 17,930	8,655 5,914 2,120	17,098 11,241 4,568	59,980 44,259 12,156	232,042 167,668 37,338	12,654 10,083 1,447	15,151 10,682 3,489	190,098 142,699 31,662
30	n.e.c	29	13	1,121	3,118	621	1,289	3,565	27,036	1,124	980	15,737
306 307	Rubber products, n.e.c Plastics products, n.e.c	411 64 343	195 32 163	24,157 5,934 18,199	135,115 34,029 100,903	18,926 4,470 14,435	38,448 9,053 29,341	90,372 21,845 68,488	260,504 69,911 189,792	19,252 3,812 15,420	19,568 3,614 15,954	154,108 29,680 124,428
31 311 314 316 317 319	Leather and leather products: Leather tanning and finishing. Footwear, except rubber. Luggage. Purses and small leather goods Leather goods, n.e.c.	21 10 44 24 25	13 5 10 9	1,972 2,989 1,016 761 532	11,573 14,711 3,894 2,862 2,130	1,778 2,576 869 664 452	3,799 4,808 1,705 1,222 1,010	9,385 10,660 2,653 2,073 1,500	20,331 25,789 6,077 4,300 3,672	(Z) (Z) (Z) (Z) (Z)	1,990 3,548 1,006 816 349	16,360 21,294 5,984 4,646 2,037
32 322 323 325 325 320	Stone, clay and glass products. Pressed and blown glassware. Products of purchased glass. Structural clay products. Pottery and related products.	535 11 54 11 18	186 ć 16 9	22,180 1,834 1,462 755 883	132,903 9,954 7,644 4,195	17,209 1,624 1,217 588 734	35,344 3,454 2,373 1,146 1,616	92,770 8,270 5,695 2,905 3,084	277,508 16,573 10,847 5,907 5,457	15,051 1,011 538 (Z)	22,168 1,223 1,784 898 993	243,465 9,774 14,234 6,868 6,490
328 329	Cut stone and stone products Nonmetallic mineral products	36 169	8 70	428 11,687	4,270 2,715 70,292	304 8,944	633 18,250	1,797 48,461	3,807 154,633	(Z) 8,200	594 10,973	4,791 124,492

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued

,									
(Si	ee t	ext f	or ·	explana	tion	of	column	captions)

_						196	amin captions				19	59
		Establi	shments.								19	
Code	Industry group	num		All emp	Payroll (\$1,000)	Pro Number	Man-hours	Wages	Value added by manufac- ture (\$1,000)	Capital expend- itures, new1	All employ- ees, number	Value added by manufac- ture (\$1,000)
					CHIC	AGO-NORTHW	ESTERN INDLA	ANA SMSA—Co	ntinued			
33 331 332 334 335 339	Primary metal industries	438 67 60 44 43	254 51 51 24 24	121,936 86,772 11,360 2,780 7,490	895,811 658,847 72,792 19,224 53,865	98,998 70,394 9,549 2,020 5,749	195,773 137,803 18,630 4,352 12,166	682,633 504,764 57,244 11,779 38,912	1,738,864 1,343,599 112,645 38,306 98,009	247,463 228,066 4,838 3,443 4,869	117,869 84,546 11,195 2,820 6,755	1,395,424 1,089,167 93,327 25,175 82,904
34 341 342 343	n.e.c	76 2,033 15 151	37 799 15 64	6,972 101,137 8,790 6,924	50,295 634,540 62,870 39,318	5,742 79,736 7,613 5,428	11,419 162,693 15,917 10,913	38,769 450,947 52,276 26,908	84,164 1,124,857 115,973 80,987	3,218 52,096 9,331 2,152	6,544 106,234 9,916 6,791	59,731 997,134 114,209 66,400
344 345 346 347 348	electric Structural metal products Screw machine products Metal stampings Metal services, n.e.c. Fabricated wire products, n.e.c. Fabricated metal products,	52 490 302 301 366	25 178 119 136 115	2,341 18,757 14,256 16,573 7,839	15,528 113,369 93,184 106,264 42,331 44,334	1,596 14,147 11,097 13,726 6,512	3,249 27,914 24,996 28,126 12,698	8,933 77,868 66,638 78,805 31,008	26,006 188,033 164,802 186,568 71,634 62,009	1,041 8,155 8,253 5,918 2,504	3,683 20,645 13,139 16,736 7,224 6,703	38,103 197,176 116,359 156,867 54,096
35 351 352 353	n.e.c	214 2,100 5 39	89 622 4 25	18,021 102,757 6,206 3,537	117,342 699,664 43,621 22,129	13,203 72,854 4,099 2,490	26,522 151,712 7,903 5,159	76,448 453,641 27,689 14,309	228,845 1,210,499 65,482 39,967	12,168 51,543 5,763 2,721	21,397 98,125 6,867 6,049	202,303 946,980 66,636 47,762
354 355 356 357 358 359	equipment Metalworking machinery Special industry machinery General industrial machinery Office machines, ne.c. Service industry machines Miscellaneous machinery	708 227 293 47 156 507	53 161 85 111 30 64 89	22,513 21,520 10,830 15,035 7,240 7,263 8,613	158,790 154,426 77,289 101,988 43,002 45,581 52,838	16,297 16,465 7,342 10,475 4,492 4,693 6,501	33,537 35,811 15,309 21,699 8,870 9,648 13,776	107,667 109,555 46,948 62,866 24,200 24,437 35,970	242,568 259,691 129,694 194,102 99,381 84,661 94,953	14,609 9,795 4,753 6,242 4,434 2,368 4,838	21,233 19,001 11,367 13,647 6,115 6,630 7,216	204,442 173,718 107,746 144,655 66,208 69,330 66,483
36 361 362 363 364 365	Electrical machinery. Electric distribution products Electric industrial apparatus. Household appliances. Lighting and wiring devices. Radio and TV receiving	806 75 104 55 197	443 49 50 30 105	133,525 10,809 6,252 14,740 14,369	753,468 59,584 31,702 94,909 77,085	98,176 8,149 4,698 11,468 11,010	190,645 16,341 9,336 21,186 21,615	472,616 38,690 20,027 64,954 49,200	1,405,640 111,952 60,795 195,983 145,708	58,806 4,700 1,887 5,182 4,910	133,308 10,875 6,420 14,256 14,511	1,193,939 91,021 49,251 156,875 127,300
366 367 369	equipment Communication equipment Electronic components Electrical products, n.e.c	61 62 166 66	37 36 106 30	26,858 38,848 17,327 4,322	135,160 250,758 79,762 24,508	22,789 23,626 13,425 3,011	43,696 46,172 26,205 6,094	99,060 134,836 50,805 15,044	254,450 467,415 118,314 51,023	12,027 17,265 11,041 1,794	20,375 49,731 14,212 2,928	192,955 449,491 98,175 28,871
37 371 373	Transportation equipment Motor vehicles and equipment Ship and boat building	207 134 14	96 59 4	34,877 17,818 568	245,663 128,176 3,470	27,403 14,720 404	57,554 32,484 905	178,120 97,772 2,405	537,517 317,815 4,418	21,248 12,818 626	37,511 17,100 406	462,358 209,286 3,039
38 381 382 383 386	Instruments and related products Scientific instruments	329 48 54 16 70	129 19 25 7 31	28,274 2,369 8,256 489 7,787	172,105 13,256 47,238 3,032 50,281	19,163 1,567 5,872 369 4,813	37,987 3,100 11,935 775 9,262	98,724 7,635 29,547 2,111 25,567	386,947 29,667 113,789 4,443 100,098	12,391 985 2,392 (Z) 2,803	24,115 2,062 4,933 718 7,908	250,233 21,036 62,687 5,382 76,309
39 391 393 394 395	Miscellaneous manufacturing, including ordnance ³ Jewelry and silverware Musical instruments and parts. Toys and sporting goods Pens, pencils and office	735 53 39 132	258 11 17 53	27,060 961 3,639 5,884	145,399 5,670 20,370 28,889	21,091 726 2,683 4,787	42,643 1,495 5,796 9,340	95,547 3,681 12,546 20,573	269,619 10,372 45,962 57,448	9,900 (Z) 1,563 3,157	27,343 1,024 4,124 5,415	240,025 7,913 40,404 60,151
3 96 398	supplies	67 46	32 10	2,199 1,072	35,287 4,566	1,604 787	3,286 1,502	7,147 2,766	23,167 9,838	719 (Z)	1,970 1,447	18,398 9,379
399 190	Miscellaneous manufactures	398	135	13,305	73,949	10,504	21,224	48,834	122,832	3,829	13,363 r _{45,781}	103,780
	Administrative and auxiliary4	-		53,390	479,472		CHICAGO		decemintion		47,701	
	All industries, total ²	13,554	5,024	861,268	(See fo	593,995	1,195,478	3,256,471	description	488,394	r _{856,043}	8,296,011
20 201 202 205 208	Food and kindred products Meat products	1,055 162 125 181 134	482 72 77 82 56	75,101 11,118 5,914 16,694 7,162	461,457 70,561 42,536 96,041 49,837	51,698 8,764 2,727 11,322 3,412	106,733 17,673 5,652 23,470 7,075	281,985 50,570 18,899 59,597 19,925	1,367,477 145,535 99,627 233,189 166,957	76,530 3,265 4,192 9,981 7,739	87,301 18,075 7,409 18,640 6,493	1,135,975 164,269 84,508 207,565 96,587
23 234	Apparel and related products Women's and children's underwear.	741	261 15	28,128	115,977	23,318	42,339	81,346 8,273	203,933	2,527 (Z)	32,038	199,534 31,524
235 26 265	Millinery, hats and caps Paper and allied products Paperboard containers and	41 383	16 234	1,093 29,039	3,773 169,927	949 22,222	1,595 46,289	3,004 111,724	6,864 305,737	(Z) 22,752	1,595 24,715	9,859 216,050
266	boxes	188 10	127	16,602 413	95,271 2,790	12,818 339	26,633 722	63,302 2,402	159,193 4,872	14,041 (Z)	13,503 490	113,993 5,409

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Table -. — MENESSE CENTISTICS FOR CTANDARD EXTREPOLICAN CTAINSTOAL AREAS WITH -0,000 OR MORE MAINFACTURENC EMPLOYEE: 1 * 7 AUR 1050—105.drg | (See text for explanation of column captions)

						196	3				19	58
Jode	Inducty woup	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures,	ees, number	manufac- ture
_			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
						OHI	CAGO SMSA—	Continued				
27	Printing and publiching	2,166	564 44	79,278	55-,541	50,623	38,529	333,268	1,030,881	43,228	¹ 78,503	806,281 126,894
271 274	Newspapers	1-1 86	2	13,00f 3,90f	87,914	6,716	11,439 3,784	45,816 14,688	148,560 67,935	6,043 1,323	13,407 3,692	45,343
276 277	Manifold business forms Greeting card manufacturing	32 25	15 12	2,132 1,691	15,257 6,911	1,554	3,279	9,132 4,948	27,600 10,951	1,523 (Z)	1,860 2,426	20,521 13,128
20	Chemicals and allied products	745	242	34,663	227,530	1,296 20,551	2,555 41,702	111,921	889,133	43,357	33,310	620,113
281	Pasis shemicals	62	29	-,7-2	35,272	3,047	1,245	20,276	98,550	9,423	4,676	79,934
19	Petroleum and coal products	€9	5.	5,461	38,190	3,954	8,156	24,991	99,103	5,928	0,243	87,724
32 329	Stone, clay and glass products Nonmetallic mineral products	483 15-	165 67	19,613 10,642	116,789 63,498	15,175 8,047	31,454 16,506	81,361 43,052	234,883 133,558	11,585 6,058	18,753 9,871	198,294
33	Primary metal industries	407	233	62,274	435,626	50,365	99,862	325,401	723,358	44,321	59,141	597,786
331 339	Steel rolling and finishing Primary metal industries,	57	42	32,533	238,350	26,330	51,280	179,776	389,228	27,280	31,034	344,23
	n.e.c.	70	34	5,227	37,869	4,264	8,465	28,679	64,605	2,411	5,051	46,676
341	Fabricated metal products Metal cans	1,986 15	771	92,410 8,790	573,612 62,870	73,164 7,613	150,165 15,917	407,735 52,276	1,029,781 115,973	49,897 9,331	97,376 9,916	909,842
344	Structural metal products	468	164	14,631	86,664	11,125	22,263	59,660	156,940	7,253	15,814	158,79
345 349	Surew machine products,	296	115	13,686	89,346	10,665	24,133	.3,8-0	157,881	7,996	12,341	108,53
	n.e.s	206	8r	16,173	104,761	11,915	23,843	67,921	203,977	11,572	19,564	180,20
35	Machinery, except electrical	2,0:3	r.05	101,339	689,835	71,837	149,601	447,202 27,689	1,192,428	54,903	96,780	935,49
351 352 353	Engines and turbines	34	21	6,206 3,291	43,621 20,789	4,099 2,298	7,903 4,76c	27,689 13,302	65,-82 38,65 4	5,763 2,715	6,867 5,797	66,63 45,90
354	equipment	112 701	49	22,402	158,212	16,210	33,354	107,205	240,758	14,557	21,063	203,72 172,83
357	Metalworking machinery Office machines, n.e.c	47	158 30	21,366 7,240	153,311 43,002	16,348 4,492	35,579 8,870	108,731 24,200	257,663 99,381	9,755 4,434	18,899 6,11:	66,20
359	Miscellaneous mathinery	493	8r	8,404	51,407	6,340	13,438	34,976	92,430	4,788	6,982	64,48
36	Electrical machinery	796	-39	132,874	756,437	97,674	189,627	470,260	1,398,774	58,612	132,861	1,190,73
363 364	Household appliances Lighting and wiring devices	193	30 102	14,740 13,830	94,909 74,628	11,448 10,402	21,180	64,954 47,274	195,983 140,249	5,182 4,725	14,256 14,185	156,87 125,03
365	Radio and FV receiving	61	37	26,858	135,160	22,789	43,696	99,060	254,450	12,027	20,375	192,95
369	equipment Electrical products, n.e.c	66	30	4,322	24,508	3,011	6,094	15,044	51,023	1,794	2,928	28,87
37	Transportation eq.ipment	198	89	31,124	220,249	24,471	51,628	159,664	493,263	19,284	33,852	440,77
38 382	Instruments and related products Mechanical measuring devices	32 5 54	129 25	28,245 8,256	171,956 47,238	19,142 5,872	37,948 11,935	98,623 29,547	386,762 113,789	12,380 2,392	24,077 4,933	249,999 62,68°
39 395	Miscellaneous manufacturing, including ordnames ³ Pens, pencils and office	719	252	26,531	142,114	20,654	41,770	93,064	263,624	9,610	26,602	234,27
	supplies	67	32	2,199	11,955	1,604	3,286	7,147	23,167	719	1,970	18,39
396	Costume jewelry and notions	46	10	1,072	4,566	787	1,502	2,766	9,838	(Z)	1,447	9,37
	Administrative and auxiliary4	-	-	52,937	476,328	DAMENDOD	T DOOK TOTAL	ND-MOLINE SM	-	-	r _{44,041}	
					(See fo				description)		
	All industries, total ²	455	167	41,250	273,025	30,134	60,197	182,076	493,802	35,721	39,235	404,87
20	Food and kindred products	. 86	27	4,381	26,088	3,042	é,674	17,278	45,970	2,700	3,936	38,40
205	Bakery products	19 12	5	732	3,922	463	933	1,982	5,942	(Z)	747 644	5,22
24	Apparel and related products Lumber and wood products	21	3	793 783	2,579	729 640	1,221	2,055	4,517	(Z)	646	2,93
25	Furniture and fixtures	15	0 0	368	3,50e 2,000	279	1,255 565	2,779 1,216	5,687 3,050	(2) (2)	269	1,74
27	Printing and publishing	56	12	1,443	7,536	794	1,629	4,198	11,681	1,997	1,439	11,57
32	Stone, clay and glass products	22	7	585	3,660	458	920	2,670	12,818	948	485	10,015
33	Primary metal industries	29	14	5,461	41,309	4,452	9,656	31,121	86,742	8,928	4,458	56,586
332	Iron and steel foundries	11	Ġ.	2,414	15,675	2,051	4,159	12,540	18,481	618	2,047	14,933
34	Fabricated metal products	47	23	2,558	10,004	1,813	3,660	10,124	28,244	829	3,769	39,17
35 354	Machinery, except electrical Metalworking machinery	112 2c	1.	18,780 865	131,809 5,843	14,350 688	28,368 1,525	94,107 4,249	247,578 10,554	17,113 (Z)	18,060 847	207,73' 7,85'
37	Transportation equipment	10	-	423	2,853	338	750	∠ , 093	3,908	(2)	371	2,98
39	Miscellaneous manufacturing, including ordnance3	10	1	464	2,044	419	669	1,711	3,640	(Z)	398	2,578
	Administrative and auxiliary4	-	-	1,227	13,130	_	-	-	-	_	959	

Table 4, —GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued (See text for explanation of column captions)

						196	3				19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new1 (\$1,000)	ees, number	manufac- ture (\$1,000)
					(See fo	otnotes at	PEORIA Si end of table	MSA e 2 for SMSA	description)		
	All industries, total ²	359	134	40,021	276,684	27,673	55,207	172,264	586,676	24,141	r _{37,636}	492,193
20	Food and kindred products	75	40	7,364	48,842	5,354	10,966	34,998	162,810	6,646	6,971	124,137
202	Dairies	13 12	8	630 1,745	3,571 11,282	227 1,251	470 2,584	1,345 8,140	9,734 25,437	(Z) 3,377	739 1,553	7,620 24,690
208	Grain mill products Beverages	16	9	2,999	20,992	2,439	4,839	16,812	97,628	1,778	2,671	68,778
23	Apparel and related products	10	4	339	1,147	281	539	829	1,728	(Z)	457	1,692
24	Lumber and wood products	16	3	465	2,616	387	775	1,984	3,884	(Z)	577	4,154
26	Paper and allied products	9	5	715	4,249	693	1,223	3,281	8,068	(Z)	952	9,555
27	Printing and publishing	66	11	1,689	11,198	1,082	2,123	6,896	20,408	1,027	1,392	13,062
275	Commercial printing	36	5	837	5,781	678	1,384	4,344	10,340	685	619	6,258
28	Chemicals and allied products	14	8	670	4,290	499	1,108	3,162	12,248	1,483	472	4,119
32	Stone, clay and glass products	26	8	535	2,873	408	876	1,957	5,082	(Z)	536	4,447
34	Fabricated metal products	37	15	1.166	7,163	852	1,654	4,374	16,454	751	1,044	8,564
344	Structural metal products	18	7	409	2,221	281	541	1,193	4,223	(Z)	360	2,844
348	Fabricated wire products,	6	3	510	3,211	381	737	2,089	6,071	(Z)	340	3,359
	n.e.c	Ů		3,743	33,400	201	131	2,007	0,011	(2)	r _{4,733}	2,227
	Administrative and auxiliary		_	3,143	33,400		ROCKFORD	SWSV			4,755	
					(See fo	otnotes at		e 2 for SMSA	description)		
	A33 3-3	580	223	43,507	0073 000	23 030	45.500	367 300	100.006	21,893	r _{40,756}	362,831
	All industries, total ²			· 1	271,829	31,212	65,570	176,100	488,026		2,094	
202	Food and kindred products Dairies	41 11	21	2,074	11,223 3,080	1,478 248	2,977 526	6,690 1,538	42,909 7,323	1,674 518	592	27,117 5,383
205	Bakery products	12	5	482	2,530	307	577	1,444	5,321	(Z)	378	2,937
25	Furniture and fixtures	20	11	1,435	6,709	1,232	2,515	5,282	7,922	(Z)	1,512	9,010
251	Household furniture	3.1	8	1,265	5,864	1,096	2,217	4,654	6,753	(Z)	1,195	6,784
26	Paper and allied products	8	6	428	2,093	322	635	1,528	3,107	(Z)	523	3,821
27 275	Printing and publishing	57 37	9	838 266	4,541 1,432	579 207	1,150 445	3,239 1,078	9,199 2,160	(Z) (Z)	765 236	7,349 1,792
28	Commercial printing	13	5	579	2,998	324	674	1,507	11,643	(Z)	740	7,882
20	onemicals and allied products	1.0		213	2,770	J24	0/4	1,507	11,045	(2)	740	7,002
32	Stone, clay and glass products	28	9	906	5,381	690	1,543	4,071	15,121	1,095	476	7,081
327	Concrete and plaster products.	23	7	577	3,633	460	1,042	2,798	8,377	(Z)	437	6,759
33 332	Primary metal industries Iron and steel foundries	23	14	1,431 584	8,530 3,408	1,084	2,146 1,043	6,156 2,755	14,258 4,305	792 (Z)	1,629 730	11,119 3,351
339	Primary metal industries,	, i	7	704	5,400							
	n.e.c	8	6	510	3,519	407	743	2,552	6,386	(Z)	459	4,545
34 342	Fabricated metal products	105 17	45 7	11,584	68,982	9,390	19,929	52,283	117,048	5,700	11,771	104,520 47,569
344	Cutlery, hand tools, hardware. Structural metal products	20	4	5,333 298	30,410 1,701	4,384 209	9,104	24,076	52,853 2,881	1,825 (Z)	5,296 1,482	12,883
345 348	Screw machine products	29	1.8	4,140	26,542	3,358	7,492	19,897	46,307	2,350	3,263	30,396
348	Fabricated wire products,	7	4	337	1,530	252	503	1,011	2,435	(Z)	262	1,977
349	rabricated metal products,											
	n.e.c	7	5	297	1,689	246	518	1,180	1,918	(Z)	231	2,791
35 354	Machinery, except electrical Metalworking machinery	201 80	76	13,934 6,510	93,594	9,420 4,302	20,865 9,885	58,307 28,908	164,807 71,602	6,750 2,513	12,982 5,809	109,986 46,412
355	Special industry machinery	13	33 8	1,976	47,732 12,705	1,268	2,781	8,060	28,103	1,239	1,306	12,191
356 358	General industrial machinery	34	14	3,162	21,370	2,194	4,661	13.516	41,951	1,368	2,817 283	29,834
358 359	Service industry machines Miscellaneous machinery	11 51	8	524 549	2,423 3,191	352 439	777 973	1,585 2,331	4,619 5,858	(Z) (Z)	283 346	2,858 2,880
36	Electrical machinery	8	3	538	2,611	434	679	1,391	3,580	(Z)	435	4,687
37	Transportation equipment	7	4	4,241	31,421	2,856	5,532	18,234	46,449	2,243	4,280	40,623
39	Miscellaneous manufacturing,	,	14	-+,z,+L	J1,421	2,000	2,002	10,204	70,777	2,2243	.,,,,,,,,,,	,025
27	including ordnance3	20	5	683	3,500	596	1,286	2,791	6 ,3 65	(Z)	769	5,011
											r_	

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

POSTAGE AND FEES PAID U.S. DEPARTMENT OF COMMERCE

⁻ Represents zero. n.e.c. No elsewhere classified. (Z) Less than \$500 thousand. Revised.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas, or (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a context of the establishment and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.







preliminary report

Area series

Value added by manufacturing in 1963 in the State of Indiana amounted to \$7,688 million, an increase of 8 percent from 1962 and 40 percent from 1958. Of this total, \$1,418 million was contributed by the primary metal industries and \$1,138 million by the electrical machinery industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1. -- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments, ber	All emp	loyees ¹	Pr	oduction worke	rs	Value	Capital	Index of (1958 •	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	6,786 (NA) (NA) (NA) (NA) (NA)	2,509 (NA) (NA) (NA) (NA) 2,444	609,593 596,483 566,912 589,798 580,703 551,009	3,791,483 3,590,594 3,272,392 3,311,841 3,228,444 2,874,299	462,904 452,640 425,432 444,331 438,552 407,496	937,551 924,228 846,916 883,857 887,517 795,956	2,618,655 2,472,038 2,210,511 2,261,653 2,216,632 1,912,847	7,687,872 7,092,322 6,319,564 6,269,170 6,323,778 5,502,123	537,900 381,937 451,370 549,347 387,858 527,914	111 108 103 107 105 100	140 129 115 114 115 100

(NA) Not available,

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

May 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, Businesses with no employees are exor plant. cluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u> --This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours. --This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

<u>Value added by manufacture.--</u>This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.-This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

INDIANA



INDIANA

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

					196	3				19	58
State, standard metropolitan	Establi	shments,	All emp	loyees ²	Pro	duction wor	kers	Value	Capital	All	Value
statistical areas, and counties ¹	Total	With 20 or more	Number	P11	N	16 3	Wassa	added by manufac- ture	expend- itures, new3	employ- ees, number ²	added by manufac- ture
	TOTAL	employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
INDIANA, TOTAL	6,786	2,509	609,593	3,791,483	462,904	937,551	2,618,655	7,687,872	537,900	551,009	r _{5,502,123}
STANDARD METROPOLITAN STATISTICAL AREAS											
Anderson"	148	48	26,204	183,771	21,271	45,147	141,771	346,157	15,300	23,467	214,067
Cincimmati ⁵ Portion in Ohio Portion in Kentucky Portion in Indiana	1,920	766	152,623	965,009	100,463	207,117	555,623	2,007,160	77,912	156,478	1,579,328
	1,708	700	141,279	900,398	91,633	189,099	509,609	1,826,787	72,631	145,526	1,428,687
	179	55	7,505	42,700	5,732	11,747	29,226	80,761	3,080	7,663	70,360
	33	11	3,839	21,911	3,098	6,271	16,788	99,612	2,201	3,289	180,281
Evansville ⁶	296	120	27,279	155,711	19,249	38,277	95,521	348,342	27,229	27,083	275,310
	240	94	24,850	146,143	17,222	34,311	88,392	327,505	(D)	24,909	261,745
	56	26	2,429	9,568	2,027	3,966	7,129	20,837	(D)	2,174	13,565
Fort Wayne ⁷ . Gary-Hammond-East Chicago ⁸ . Indianapolis ⁸ Louisville ¹⁰ . Portion in Indiana. Portion in Kentucky.	361	131	36,516	247,963	24,723	50,380	149,912	431,767	15,285	F33,263	289,599
	418	182	97,142	713,213	76,234	150,186	530,841	1,614,425	230,675	99,994	1,281,927
	1,352	458	115,613	751,123	80,006	163,559	461,943	1,362,373	70,056	F105,633	1,025,960
	873	403	88,441	546,161	65,220	132,142	361,686	1,553,121	72,898	86,653	1,161,445
	135	64	10,027	51,481	8,281	16,829	38,097	152,275	5,945	8,153	100,351
	738	339	78,414	494,680	56,939	115,313	323,589	1,400,846	66,953	78,500	1,061,094
Mmcie ¹¹	181	67	16,250	106,849	12,875	26,153	79,649	221,864	9,522	14,968	154,829
South Bend ¹²	434	145	37,644	243,675	26,858	52,712	156,400	360,450	14,761	36,910	361,886
Terre Haute ¹³	214	70	11,552	60,144	8,774	17,589	43,325	147,158	12,550	12,313	107,562
COUNTIES ¹								-4			
Adams Allen Bertholomew Benton Blackford	46	21	2,921	14,255	2,324	4,604	10,315	28,224	1,543	2,440	23,057
	361	131	36,516	247,963	24,723	50,380	149,912	431,767	15,285	r33,263	289,599
	71	27	12,448	79,911	9,083	18,705	50,800	176,037	12,632	9,738	96,669
	10	5	308	1,000	276	490	821	1,801	(Z)	173	1,892
	30	10	2,352	11,712	1,782	3,477	7,826	63,747	2,346	r1,694	14,648
Boone	41	13	1,658	9,008	1,197	2,503	5,224	16,409	831	1,559	16,866
	26	9	883	3,841	754	1,591	3,008	8,772	(Z)	686	4,881
	62	22	3,460	16,776	2,580	5,079	11,289	37,424	1,642	2,704	20,596
	67	29	5,528	31,086	4,427	8,919	22,951	106,530	3,847	4,862	82,961
	32	8	1,270	6,312	1,102	2,324	5,358	9,411	801	1,525	8,673
Clinton Daviess Dearborn Decatur De Kalb	44	19	2,268	9,949	1,855	3,833	7,258	19,944	838	1,983	14,291
	30	8	1,254	5,537	1,051	1,967	4,446	11,413	(Z)	1,258	6,422
	33	11	3,839	21,911	3,098	6,271	16,788	99,612	2,201	3,289	F80,281
	32	9	1,299	6,157	1,095	2,249	4,884	16,257	2,896	791	6,171
	67	30	3,643	19,098	2,842	5,668	13,197	38,659	2,183	2,917	26,499
Delaware.	181	67	16,250	106,849	12,875	26,153	79,649	221,864	9,522	14,968	154,829
Dubois.	110	47	4,523	19,596	3,817	8,616	15,447	34,920	1,359	3,851	22,356
Elkhart	433	177	25,253	150,872	19,411	38,904	100,026	388,209	12,349	19,593	239,413
Fayette	31	13	4,077	23,180	3,234	6,247	16,645	48,224	1,762	4,520	24,566
Floyd.	68	35	4,499	20,395	3,854	7,910	15,146	45,745	2,098	3,291	17,390
Fountain.	24	8	2,328	10,916	2,082	4,244	9,256	18,787	775	1,795	11,278
Franklin	15	5	582	2,214	497	961	1,912	3,842	(Z)	566	3,320
Fulton.	34	14	1,627	6,944	1,355	2,743	5,498	14,443	633	708	7,530
Gibson.	34	12	2,461	13,261	1,809	3,521	8,919	16,787	1,148	2,085	10,196
Grant.	122	44	14,004	85,758	11,226	23,326	64,475	172,978	7,208	12,180	110,041
Greene.	36	8	756	3,161	627	1,248	2,340	7,394	613	807	7,522
Hamilton.	51	18	2,768	16,387	2,288	4,728	12,818	26,958	1,191	2,224	17,930
Hancock.	33	11	1,183	6,305	889	1,740	3,898	6,802	(D)	798	4,483
Harrison.	19	4	671	2,557	562	1,042	1,875	4,612	(Z)	469	2,901
Henry.	63	24	4,672	30,153	3,620	7,666	22,293	56,372	1,166	4,317	33,095
Howard.	87	33	17,169	115,428	13,774	28,874	88,066	234,160	11,879	13,192	109,181
Runtington.	72	32	4,375	21,002	3,494	7,164	14,171	34,675	1,301	3,665	24,468
Jackson.	50	25	4,335	19,048	3,838	7,489	15,656	33,478	1,654	3,282	24,273
Jasper.	24	4	312	1,391	244	440	965	2,645	(Z)	360	2,820
Jay	30	12	3,494	16,683	2,958	6,264	13,161	31,259	1,583	2,877	20,027
Jefferson	38	15	2,630	12,567	2,135	4,430	9,126	25,638	2,604	1,242	8,733
Jemnings	14	6	791	3,468	683	1,423	2,802	7,333	(Z)	666	4,930
Johnson	43	19	2,516	13,239	2,142	4,927	10,250	31,279	1,840	1,829	15,294
Knox	51	17	2,766	14,166	2,264	4,094	10,847	23,783	751	2,515	20,870
Kosciusko	131	53	5,628	30,282	4,559	9,492	21,577	58,193	3,730	4,144	30,802
Lagrange. Lake La Porte. La Porte. Lawrence. Maddson.	25 359 164 56	6 169 80 20 48	647 94,124 13,297 3,674 26,204	3,878 691,367 73,871 21,505 183,771	411 74,259 10,045 3,152 21,271	811 146,134 19,892 6,656 45,147	1,596 517,742 50,320 17,468 141,771	3,915 1,560,933 144,516 31,757 346,157	(Z) 202,371 9,085 4,312 15,300	244 97,811 12,987 3,718 23,467	2,489 1,263,063 102,724 22,923 214,061

1963 CENSUS OF MANUFACTURES

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958—Continued (See text for explanation of column captions)

				N	196	3				1958	
State, standard metropolitan statistical areas,	Establi num	shments, ber	All emp	loyees ²	Pro	duction wor	kers	Value	Capital expend-	All	Value
and counties 1	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
COUNTIES1—Continued											
Marion	1,099 86 13 55 68	372 25 5 25 25 32	104,562 2,469 823 2,401 8,275	692,826 12,185 3,766 9,473 36,798	71,227 2,022 693 2,025 7,321	145,281 4,020 1,552 3,844 13,711	420,500 8,725 2,988 7,107 30,509	1,259,660 21,827 16,427 23,081 117,496	59,065 1,955 503 684 4,389	96,643 2,301 792 2,120 5,750	955,259 19,361 13,272 16,618 60,794
Montgomery	39	14 ⁻	3,856	23,922	3,154	6,866	18,083	43,167	4,862	3,313	26,319
	39	11	978	4,459	760	1,553	3,076	7,918	1,066	602	3,854
	15	4	497	1,684	410	883	1,080	3,744	(Z)	421	3,227
	68	31	4,038	19,745	3,322	7,066	15,113	39,283	3,221	2,645	18,096
	34	8	2,448	9,220	2,232	4,692	7,512	16,754	(Z)	1,799	7,995
Perry. Porter. Pulaski. Putnam. Randolph.	26	11	3,261	15,598	2,932	6,045	13,068	33,934	1,554	3,056	21,925
	59	13	3,018	21,846	1,975	4,051	13,099	53,492	28,308	2,183	18,864
	·24	7	645	2,140	537	1,038	1,526	3,935	(Z)	310	1,378
	22	4	1,574	9,960	1,237	2,535	7,499	26,011	1,183	1,353	14,789
	67	25	4,413	22,585	3,740	7,128	17,859	40,730	1,640	3,532	28,897
RipleyRush	31	9	2,070	12,406	1,531	3,578	7,293	26,500	1,396	1,398	15,643
	28	11	1,230	5,863	970	1,960	4,378	10,788	(Z)	1,246	8,678
	348	120	35,175	231,490	24,836	48,692	147,675	338,623	12,906	34,609	342,525
	60	25	3,366	16,733	2,519	4,974	10,472	27,629	1,271	3,400	27,656
	35	8	428	1,685	356	682	1,229	3,164	(Z)	525	2,638
Steuben. Sullivan. Tippeanoe. Tipton. Vanderburgh.	37	8	934	5,513	777	1,635	4,165	16,067	623	512	5,476
	25	6	441	1,536	358	764	1,232	2,761	(Z)	339	2,206
	87	34	8,156	54,484	6,122	12,369	37,415	102,985	7,769	8,045	83,709
	24	6	875	4,804	705	1,438	3,504	9,881	795	763	5,379
	217	88	24,073	142,098	16,635	33,145	85,655	319,801	(D)	24,533	259,746
Vigo	137	51	9,600	51,302	7,178	14,222	36,241	133,415	11,268	9,832	93,843
	78	36	6,502	32,506	5,372	11,084	24,423	62,108	2,861	4,498	36,388
	23	6	777	4,045	587	1,166	2,737	7,704	(D)	378	1,999
	27	11	1,507	5,904	1,383	2,983	5,043	10,099	603	1,168	7,011
	129	58	14,209	83,125	10,404	21,359	54,888	164,162	6,156	10,744	102,550
WellsWhiteWhitley	36	13	1,799	10,067	1,428	2,814	6,779	18,740	622	1,323	11,389
	26	8	1,704	7,309	1,527	3,146	6,003	13,152	(Z)	1,045	5,813
	36	15	1,698	8,015	1,380	2,877	5,810	16,386	796	2,295	17,395

(D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand.

Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The Anderson Standard Metropolitan Statistical Area is coextensive with Madison County, Indiana

The Cincimati, Ohio-Kentucky-Indiana Standard Metropolitan Statistical Area consists of Clermont, Hamilton, and Warren Counties, Ohio, Boone,

Campbell, and Kenton Counties, Ky., and Dearborn County, Ind.

The Fransville, Indiana-Kentucky Standard Metropolitan Statistical Area consists of Vanderburgh and Warwick Counties, Ind. and Henderson County, Ky.

The Fort Wayne, Indiana, Standard Metropolitan Statistical Area consists of Lake and Forter Counties, Ind.

The Cary-Hammond-Sast Chicago, Indiana Standard Metropolitan Statistical Area consists of Lake and Forter Counties, Ind.

The Indianapolis, Indiana Standard Metropolitan Statistical Area consists of Hamilton, Hancock, Hendricks, Johnson, Marion, Morgan, and Shelty Counties, Ind. The Indiana Standard Metropolitan Statistical Area consists of Jefferson County, Ky., and Clark and Floyd Counties, Ind.

10The Lousiville, Kentucky-Indiana Standard Metropolitan Statistical Area consists of Jefferson County, Ky., and Clark and Floyd Counties, Ind.

11The Muncie, Indiana Standard Metropolitan Statistical Area consists of Marshall and St. Joseph Counties. Indiana.

12The South Bend, Indiana Standard Metropolitan Statistical Area consists of Clay, Sullivan, Vermillion and Vigo Counties, Ind.

13The Terre Haute, Indiana Standard Metropolitan Statistical Area consists of Clay, Sullivan, Vermillion and Vigo Counties, Ind.

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

						196	3				19	58
Code	Industry group		shments,	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
0000	and on A Stock	Total	With 20 or more employ- ees	Number	Payroll	Number	Men-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new 1 (\$1,000)	ees,	manufac- ture (\$1,000)
			ees		(\$1,000)		(1,000)	(\$1,000)	(41,000)	(41,000)		(41,000)
	All industries, total ²	6,786	2,509	609,593	3,791,483	462,904	937,551	2,618,655	7,687,872	537,900	551,009	r _{5,502,123}
20	Food and kindred products	879	361	44,970	245,350	30,046	63,077	150,746	611,228 99,064	29,990	48,124	r _{525,336}
201 202	Meat products Dairies	177 165	50 91	10,145 6,807	61,697 36,789	8,012 2,961	16,876 6,616	46,808 14,241	99,064 82,818	4,268 4,474	11,495 8,977	94,315 81,297
203	Carmed and frozen foods	85	46	5,737	20,218	4,916	9,677	15,138	45,308	1,690	5,256	37,220
204 207	Grain mill products	96 13	32	5,042 1,081	21,829 5,344	3,358 922	7,392 1,979	20,423 4,071	105,469 20,257	7,057 662	4,907 775	76,202 6,437
208	Beverages	114	51	6,475	38,063	4,095	8,497	22,035	141,384	5,099	6,245	r _{116,201}
209	Miscellaneous foods and kindred products	104	33	3,486	19,100	2,470	5,165	12,353	57,706	4,955	3,821	61,770
23 231	Apparel and related products Men's and boys' suits and	150	91	12,997	43,075	11,609	21,393	34,288	77,187	1,322	12,892	59,283
	coats	6	5	1,067	3,734	982	1,762	3,046	4,892	(Z)	1,123	4,244
232 233	Men's and boys' furnishings Women's and misses' outerwear	36 20	32 19	5,969 2,183	19,844 6,778	5,430 1,883	9,967 3,251	16,075 5,248	34,929 11,301	501 (Z)	5,955 1,902	24,860 8,315
234	Women's and children's											
238	underwear Miscellaneous apparel	6 15	6 8	903 842	2,454 2,686	825 751	1,682 1,324	2,225 2,193	8,599 4,815	(Z) (Z)	867 1,194	6,442 5,507
239	Fabricated textiles, n.e.c	63	18	1,685	6,838	1,422	2,839	4,846	11,870	553	1,410	8,047
24	Lumber and wood products	545	114	10,302	45,546	8,644	17,805	33,345	84,446	4,833	9,438	69,271
242 243	Sawmills and planing mills Millwork and related products	256 144	30 51	1,960 5,905	6,313 30,268	1,677 4,857	3,301 10,323	5,145 21,231	10,188 58,083	1,261 2,300	2,002 5,312	7,449 49,066
244	Wooden containers	20	5	424	1,294	380	727	1,049	2,144	(Z)	616	3,218
249	Miscellaneous wood products	87	27	1,823	7,183	1,571	3,145	5,496	13,080	983	1,456	9,346
25	Furniture and fixtures	282	155	22,462	104,773	18,821	39,179	78,734	184,958	6,485	18,874	126,987
251 252	Household furniture Office furniture	194 17	127 14	18,718	86,300 8,797	15,770 1,588	32,883 3,437	64,688 7,045	148,536 18,382	5,322 (Z)	15,946 1,569	104,277 11,622
253	Public building furniture	15	4	516	2,575	422	896	1,849	5,456	(Z)	462	4,000
254	Partitions and fixtures	39	8	1,154	6,449	931	1,741	4,681	11,356	586	787	6,149
26 264	Paper and allied products Paper and paperboard products	126 54	85 28	12,618 4,817	71,994 25,543	9,805 3,711	20,834 7,651	50,838 18,041	135,252 53,066	7,716 2,471	11,073 3,647	99,408 30,841
265	Paperboard containers and											
	boxes	58	45	6,115	35,664	4,714	10,048	24,483	59,186	. 4,444	5,401	44,940
27 271	Printing and publishing	871 254	168 65	22,225 8,401	124,506 46,894	14,375 4,198	28,886	80,719 25,444	233,964	11,578	20,012 8,178	159,504 69,086
272	Newspapers Periodicals	45	5	384	1,743	160	7,977 246	574	86,564 4,391	2,683 (Z)	550	5,872
273 275	BooksCommercial printing	27 433	15 57	4,955 5,803	28,664 32,231	3,717 4,517	7,989 9,141	21,863 23,407	46,060 53,877	4,627 3,062	4,213 5,051	31,897 37,016
278	Bookbinding and related work.	21	7	782	3,230 5,749	680	1,261	2,451	5,698	(Z)	519	2.964
279	Printing trades services	63	13	794	5,749	589	1,203	4,243	7,738	(Z)	872	6,711
28	Chemicals and allied products	255	87	23,635	173,248	13,367	26,849	79,439	630,109	29,412	22,415	492,923
281 284	Basic chemicals	36 47	16 11	2,403 3,237	17,099 22,927	1,691 2,134	3,388 4,151	10,884	69,674 121,835	6,266 1,896	2,052 3,672	75,951 109,076
285 287	Paints and allied products	32 52	11 20	1,621	10,974	788 830	1,483	3,936	20,555	1,129	1,072	11,848
289	Agricultural chemicals Miscellaneous chemical			1,095	4,890		1,641	3,385	12,766	1,325	1,148	14,487
	products	41	10	994	5,542	685	1,405	3,425	17,646	676	2,054	17,594
29 · 291	Petroleum and coal products Petroleum refining	53 14	21 11	7,333 6,542	58,356: 52,290	5,418 4,897	10,458 9,293	39,522	154,338 137,872	7,775	9,933	117,522 108,348
295	Paving and roofing materials.	32	8	633	4,296	461	1,024	. 36,486	10,651	6,964 692	9,156 611	6,654
30	Rubber and plastics products,											
307	n.e.c	170 113	86 49	22,378 7,601	124,735 38,187	18 ,1 56 6 , 170	36,503 12,420	93,337 27,122	241,214 71,831	12,727 7,289	17,357 4,993	142,432 38,853
31	Leather and leather products	27	16	3,026	11,047	2,819	5,509	9,790	20,834	(Z)	2,640	15,727
32	Stone, clay and glass products.	565	164	25,387	136,424	21,033	42,692	104,601	282.527	20,201	26,811	256,101
323	Products of purchased glass	16	7	837	4,147	717	1.018	3.156	7,455	(Z)	635	4,984
325 326	Structural clay products Pottery and related products.	41	29 5	2,642 726	13,509 4,433	2,273 597	4,771 1,198	11,013 3,409	18,513 7,741	1,352 (Z)	3,209 874	18,653 7,629
327	Concrete and plaster products	372	53	4,689	26,073	3,209	6,736	15,431	67,442	5,546	4,800	. 52,538
328 329	Cut stone and stone products. Nonmetallic mineral products.	47 54	22 28	2,030 4,952	9 , 57 7 27 , 078	1,788 4,139	3,536 8,409	8,036 21,063	13,358 58,753	674 5,461	2,361 4,626	14,251 50,278
33	Primary metal industries	245	152	93,613	680,725	76,880	155,108	531,033	1,417,541	248,270	87,846	1,047,335
331	Steel rolling and finishing	27	21	59,295	454,205	48,480	95,288	353,674	1,019,218	204,787	58,388	791,391
332 335	Iron and steel foundries Nonferrous rolling and	73	54	12,628	80,281	11,045	23,005	67,158	119,442	6,882	11,603	88,219
336	drawing	36 55	27 28	12,900	85,832	10,169 2,895	21,926	64,355	182,460	13,447	11,365	117,465
339	Nonferrous foundries Primary metal industries,			3,433	23,704		6,167	18,435	33,659	3,982	2,329	15,288
	n.e.c	39	14	4,047	27,702	3,377	6,849	21,802	45,923	(D)	3,119	26,877

1963 CENSUS OF MANUFACTURES

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY CROUPS: 1963 AND 1958—Continued

(See text for explanation of column captions)

						196	3				1958	
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
oode	Industry group	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures,	ees, number	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
34	Fabricated metal products	721	312	42,960	252,362	33,460	67,547	176,480	459,524	19,538	39,765	357,776
342	Cutlery, hand tools, hardware	64	24	4,387	24,131	3,601	7,302	18,179	48,809	3,685	4,300	37,585
343	Plumbing and heating, except	2,	-00	1 055	02 500	0.500			"a ao c			
344	electric	34 235	22 92	4,057 11,987	23,529 72,168	2,799 8,798	5,586 17,464	13,513 47,456	52,296 115,791	2,560 3,477	3,217 11,879	29,086
345	Screw machine products	82	31	2,879	16,468	2,374	5,067	12,377	31,542	1,300	2,728	24,174
346	Metal stampings	92	40	7,042	42,602	5,868	11,758	32,708	75,399	2,698	6,246	59,255
348	Fabricated wire products,					,						
	n.e.c.	53	27	3,049	16,091	2,581	5,164	12,374	26,597	1,120	2,666	19,950
349	Fabricated metal products,	65	41	6,684	40,935	£ 020	9,988	27 220	CIO 227	2 505	(10E	(0.051
	n.e.c.	ره	41	0,004	40,933	5,039	9,988	27,220	79,114	2,707	6,175	60,251
35	Machinery, except electrical	1,007	279	54,692	349,977	40,381	82,386	236,322	682,946	33,983	45,954	439.517
352	Farm machinery and equipment.	64	36	5,304	29,010	3,837	7,383	18,385	49,275	1,316	4,850	44,014
353	Construction and like	67	0.5	1 000	06 105	0.740		157 (00	W. 004			10 400
354	equipment Metalworking machinery	51 368	25 87	4,375 8,023	26,135 57,206	3,180 6,435	6,145 14,228	17,632 43,266	54,996 87,474	1,106	5,047 7,228	43,682 62,986
355	Special industry machinery	60	22	2,948	18,435	2,128	4,319	11,890	35,214	3,729 1,913	2,856	24,766
356	General industrial machinery.	136	53	16,695	108,917	12,000	24,269	71,801	203,884	11,622	12,399	115,173
358	Service industry machines	58	18	5,405	30,899	3,986	7,654	20,377	57,287	2,295	4,390	44,251
36	Electrical machinery	239 38	137	93,507	558,203	75,593	151,885	409,262	1,137,752	45,569	75,974	680,987
362 363	Electric industrial apparatus Household appliances	20	24 11	11,573 9,287	65,771 56,897	8,908 7,687	17,117 15,015	44,403 43,231	124,187 146,976	4,540 4,663	10,028 8,666	91,377 66,134
364	Lighting and wiring devices	32	13	6,070	42,178	4,994	10,745	32,314	83,491	5,514	5,886	54,016
365	Radio and TV receiving			0,010	12,270		20,140	52,524	05,471	2,527	,,,,,,	5.79020
	equipment	19	14	18,329	94,022	15,768	30,784	73,821	244,412	8,999	11,133	119,969
366	Communication equipment	20	7	11,457	76,260	7,762	15,316	46,027	118,684	7,104	8,135	80,115
367	Electronic components	48	31	11,038	54,082	9,212	18,350	39,849	93,338	4,788	10,295	77,811
37	Transportation equipment	294	175	88,329	619,163	68,052	138,458	441,150	1,092,402	50,954	79,749	790,457
371	Motor vehicles and equipment.	126	75	57,476	402,039	46,728	94,931	309,337	753,320	35,075	45,057	517,405
372	Aircraft and parts	29	22	20,518	154,610	12,916	26,570	85,178	235,152	11,149	25,804	219,294
374	Railroad equipment	6	4	3,608	25,404	2,904	6,046	19,824	41,400	1,868	3,165	12,380
379	Transportation equipment,			1 400	04 555	0.00#	E 405	20 051	14 770		0.00/	22 042
	n.e.c	101	60	4,800	26,751	3,935	7,695	19,256	46,752	2,304	3,934	31,063
38	Instruments and related											
	products	77	23	4,653	23,909	3,618	7,158	16,525	95,014	3,491	3,459	31,417
382	Mechanical measuring devices.	18	10	2,108	11,384	1,695	3,328	8,462	22,954	708	1,625	14,961
384	Medical instruments and										4	
	supplies	26	8	577	3,230	397	812	1,741	9,800	525	819	8,118
39	Miscellaneous manufacturing.											
	including ordnance3	263	74	13,863	83,088	9,543	19,356	47,993	134,644	3,680	10,035	73,866
391	Jewelry and silverware	20	4	949	5,620	713	1,510	3,923	12,536	(Z)	793	7,937
393	Musical instruments and parts	31	17	2,182	13,667	1,690	3,528	9,852	22,252	(z)	1,553	13,442
394 398	Toys and sporting goods	42	11	1,212	5,332	991	1,850	3,622	8,936	(Z)	2,162	15,096
398	Miscellaneous manufactures3	149	37	9,112	56,674	5,833	11,887	29,535	87,729	2,641	5,033	34,566
190	January manufactures	149	71	كلدود	20,074	2,000	11,007	27,000	01,125	2,041	7,055	24,500
	Administrative and auxiliary4			9,155	79.404						6,701	

⁻ Represents zero. n.e.c. Not elsewhere classified. (D) Withheld to avoid disclosing figures for individual companies.

(Z) Less than \$500 thousand.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) to avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.) A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or first serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

INDIANA

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

(See text for explanation of column captions)

-						206	-			-		50
		Fotoble	ishments,			196))				19	58
Code	Industry group		With 20	All emp	loyees	Pro	duction wor	kers	Value added by manufac-	Capital expend- itures,	All employ- ees,	Value added by manufac-
		Total	or more employ-	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	ture (\$1,000)	new ¹ (\$1,000)	number	ture (\$1,000)
					(41,000)		CINCINNA		(\$1,000)	(41,000)		(\$1,000)
		in Ind	diana) app		e 2. Indus		andard Metr	opolitan Sta	tistical Are are shown i			
								T CHICAGO SN Forter Coun				
	All industries, total ²	418	182	97,142	713,213	76,234	150,186	530,841	1,614,425	230,675	99,994	1,281,927
20	Food and kindred products	56	25	3,545	23,788	2,091	4,458	13,394	57,423	4,380	3,578	55,716
202 205	Dairies Bakery products	14 10	7 5	710 409	5,083 2,351	194 233	396 505	1,210 1,301	10,341 3,828	(Z) (Z)	884 404	9,076 3,734
23	Apparel and related products	10	7	1,134	4,239	1,007	1,712	3,091	6,934	(Z)	1,058	6,774
26	Paper and allied products	. 5	5	573	3,428	440	909	2,446	6,711	623	465	5,920
27 271	Printing and publishing Newspapers	55 16	8 5	2,046 774	11,636 5,362	1,612 563	3,101 1,064	9,339 4,197	21,496 9,529	921 (Z)	1,726 626	14,852 6,774
28 281	Chemicals and allied products Basic chemicals	31 13	17 8	3,195 1,175	24,148 9,535	2,345 839	4,681 1,711	16,057 5,988	134,186 47,877	5,393 4,470	3,304 1,477	111,306 63,247
29	Petroleum and coal products	14	9	6,324	50,731	4,701	8,942	34,989	132,879	6,726	8,906	102,374
32 329	Stone, clay and glass products Nonmetallic mineral products	52 15	21 9	2,567 1,045	16,114 6,794	2,034 897	3,890 1,744	11,409 5,409	42,625 21,075	3,466 2,142	3,415 1,102	45,171 16,406
33 331 339	Primary metal industries Steel rolling and finishing Primary metal industries,	31 10	21 9	59,662 54,239	460,185 420,497	48,633 44,064	95,911 86,523	357,232 324,988	1,015,506 954,371	203,142 200,786	58,728 53,512	797,638 744,930
	n,e.c	6	3	1,745	12,426	1,478	2,954	10,090	19,559	875	1,493	13,105
34 344 345	Fabricated metal products Structural metal products Screw machine products	47 22 6	28 14 4	8,727 4,126 570	60,928 26,705 3,838	6,572 3,022 432	12,859 5,651 863	44,043 18,208 2,798	100,532 33,489 6,921	2,229 902 (Z)	8,858 4,831 798	87,292 38,382 7,823
349	Fabricated metal products,	8	5	1,848	12,581	1,288	2,679	8,527	24,868	596	1,833	22,103
35	Machinery, except electrical	47	17	1,418	9,829	1,017	2,111	6,439	18,071	620	1,345	11,484
36	Electrical machinery	10	4	651	3,031	502	1,018	2,356	6,866	(Z)	447	3,207
37	Transportation equipment	9	7	3,753	25,414	2,932	5,926	18,456	44,254	1,964	3,659	21,581
39	Miscellaneous manufacturing, including ordnance3	16	6	529	3,285	437	866	2,483	5,995	(Z)	741	5,753
-	Administrative and auxiliary	-	-	453	3,144	-	-	-	-	-	1,740	
			(c	onsists of	Hamilton, H	ancock, Hen		OLIS SMSA nson, Marion	, Morgan, an	d Shelby Co	unties, Ind	•)
	All industries, total ²	1,352	458	115,613	751,123	80,006	163,559	461,943	1,362,373	70,056	r _{105,633}	1,025,960
20 202	Food and kindred products Dairies	113 20	61 12	10,972 1,450	64,718 8,682	7,036 552	15,124 1,266	39,487 2,623	144,221 27,753	5,686 861	11,829 1,751	122,906 17,853
205 208	Bakery products Beverages	16 11	13 6	2,497 750	13,876 4,489	1,192 393	2,499 846	6,594 1,468	25,799 11,549	539 521	2,368 737	19,995 8,130
209	Miscellaneous foods and kindred products	20	10	350	4,322	503	1,071	2,355	18,140	637	947	14,935
23 239	Apparel and related products Fabricated textiles, n.e.c	26 19	9 4	948 260	3,280 1,099	831 210	1,507 436	2,3 69 680	5,012 2,012	(Z) (Z)	1,264 327	5,738 2,240
24 243	Lumber and wood products Millwork and related products	61 31	19 10	1,460 898	6,917 5,022	1,231 724	2,655 1,674	4,626 3,051	14,591 10,840	846 (Z)	1,134 653	9,152 6,625
25 251	Furniture and fixtures Household furniture	47 25	16 11	1,276 752	5,194 2,850	1,085 641	2,063 1,183	3,853 2,085	8,242 4,408	(Z) (Z)	1,447 1,068	9,831 6,477
254	Partitions and fixtures	10	3	263	1,275	216	436	907	1,734	(Z)	303	2,676
26 265	Paper and allied products Paperboard containers and	35	21	3,322	7 882	2,548	5,460	12,260	29,351	1,369	3,108	25,053
27				,								9,602 53,165
273 275 279	Books	11 119 26	6 23 11	882 1,658 512	5,137 9,965 3,808	343 1,257 379	713 2,570 790	2,694 7,139 2,784	8,302 15,050 4,940	(Z) 815 (Z)	747 1,817 569	7,511 13,927 4,239
27 273 275	Paperboard containers and boxes. Printing and publishing Books. Commercial printing	119	23	1,658	9.965	1,257	2,280 6,725 7L3 2,570	5,429 21,367 2,694 7,139	11,860 61,266 8,302 15,050	882 1,729 (Z) 815	1,162 6,268 747 1,817	

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued (See text for explanation of column captions)

						196	3				19	58
Code	Industry group	Establi num	shments,	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures, new ¹	ees, number	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
			(Consis	ts of Hamil	ton, Hancoc	IND k, Hendrick	IANAPOLIS SI s, Johnson,	MSA—Continu Marion, Mor	ed gan, and She	1by Counties	, Ind.)	
28	Chemicals and allied products	57	24	10,462	83,407	4,994	10,103	31,082	200,154	12,499	9,689	151,78
84 85	Cleaning and toilet goods Paints and allied products	15 10	5 6	518 711	3,356 5,451	174 342	344 605	837 1,704	9,987 9,514	(Z)	570 364	9,70 3,85
30	Rubber and plastics products,	0.1		4 000	05.015							
307	n.e.c Plastics products	24 13	8	4,231 607	25,345 2,938	3,392 445	6,426 1,003	19,056 1,809	44,434 5,025	1,424 (Z)	3,986 (D)	35,39 (D
32	Stone, clay and glass products	78	22	2,874	15,929	2,276	4,913	11,385	26,740	2,646	2,793	26,34
33 332	Primary metal industries Iron and steel foundries	36 9	16 7	3,267 1,450	23,025 10,486	2,620 1,212	5,581 2,595	17,365 8,220	44,710 18,082	3,453 1,403	(D)	(D
339	Primary metal industries,	14	3	374	2,215	299	613	1,594	3,728	(z)	300	2,20
34	Fabricated metal products	163	66	6,341	37,073	4,619	9,609	23,348	72,133	2,833	7,622	62,34
42	Cutlery, hand tools, hardware	9	4	435	2,273	342	740	1,637	6,373	(Z)	1,135	8,99
44	Structural metal products	53 27	19 11	1,284	7,924	857	1,930	4,766	12,055	(Z)	1,902	14,74
45 46	Screw machine products	15	3		4,096	711 357	1,624 650	3,349	7,184	(Z) (Z)	689 957	5,26
347	Metal stampings Metal services, n.e.c	29	10	461 912	2,380 4,711	729	1,469	1,438 3,305	4,284 10,835	617	724	7,06 5,62
49	Fabricated metal products,	14	8	546	3,251	403	869	1,954	7,394	(Z)	690	6,96
	11.6.0	1.4	Ŭ	240	2,5,71	703	00)	2,554	1,554	(2)	0,00	0,5
35 353	Machinery, except electrical Construction and like	284	69	13,071	83,218	9,871	20,215	59,035	146,782	4,880	11,386	103,06
	equipment	10	6	1,917	11,455	1,406	2,653	7,785	18,423	(Z)	1,582	14,83
154 155	Metalworking machinery	96	21	1,465	11,049	1,219	2,926	8,737	17,157	760	1,639	14,82
55 56	Special industry machinery General industrial machinery.	14 39	13	269 7,042	1,774 45,275	204 5,256	443 10,522	1,117 32,380	3,682 83,575	(Z) 2,395	191 (D)	1,58
58	Service industry machines	24	7	940	5,840	657	1,330	3,618	11,114	595	228	2,2
59	Miscellaneous machinery	88	11	1,124	6,119	924	1,928	4,460	9,429	604	984	7,18
36 61	Electrical machinery	50	22	15,242	84,312	12,242	23,636	61,158	162,560	7,412	13,122	144,5
01	products	12	4	681	4,060	506	999	2,362	7,810	(Z)	297	3,94
37	Transportation equipment	58	36	30,179	221,159	22,200	46,225	147,497	374,392	24,309	24,580	219,3
38	Instruments and related products	18	4	470	2,339	365	735	1,781	5,550	(Z)	386	3,14
39	Miscellaneous manufacturing, including ordnance 3	54	7	1,308	6,864	980	2,021	4,586	13,723	(Z)	1,235	10,92
	Administrative and auxiliary4		_	3,519	29,275	-	-	-	-	-	r _{1,490}	
	Administrative and auxiliary4											

(D) Withheld to avoid disclosing figures for individual companies. n.e.c. Not elsewhere classified. (Z) Less than \$500

Represents zero. (D) Withheld to avoid discissing rigures for industry.

thousand.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported <u>separately</u> for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

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1963 CENSUS OF MANUFACTURES



preliminary report

Area series

IOWA

Value added by manufacturing in 1963 in the State of Iowa amounted to \$2,276 million, an increase of 9 percent from 1962 and 35 percent from 1958. Of this total, \$653 million was contributed by the food and kindred products industries and \$476 million by the non-electrical machinery industries the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. For 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establishments, number		All employees1		Pr	oduction worke	rs	Value	Capital	Index of change (1958 = 100)	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	3,451 (NA) (NA) (NA) (NA) 3,567	964 (NA) (NA) (NA) (NA) 945	178,146 172,951 171,270 175,718 179,576 166,126	1,043,915 977,872 930,952 921,357 924,336 812,475		256,3.0 252,049 249,604 259,371 269,717 240,799	686,876 635,695 607,053 605,892 621,085 537,704	2,376,423 2,090,610 1,891,771 1,815,785 1,948,042 1,684,269	126,707 109,055 124,689 138,443 111,166 103,193	107 104 103 106 108	12: 124 112 108 116 117

ANA, Not available.

Includes employment and payroll at rentral audinitivative offices of audinity with the following which is these units and audinity with the second of the se

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period.

August 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS, A. Ross Eckler, Director



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>—This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number.-This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours. --This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages.--This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. -- This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

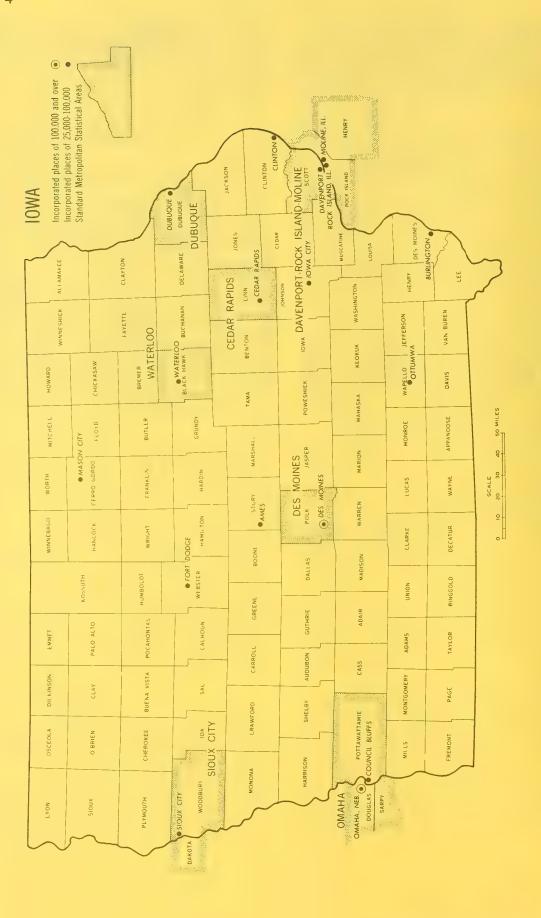
The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



IOWA

Table 2.—GIVERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAL STATISTICAL AREAS, AND COUNTING: 103 AND 103

(See text for explanation of column captions)

			(000 (000	for explana	196		,			19	58
State, stadari tetropolica	Establi	shments,	All emp	luyees 2	Pro	duction wor	kers	Value	Capital	All	Value
statistical areas,	Total	With 30 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
IOW, DIGAL CHANDARD METROPOLICAN STATISTICAL AREAS	3,451	J1	1~3,1~	1,043,915	126,865	256,350	686,876	2,275,928	126,707	166,126	1,684,269
Cedar Rapide ⁴	195 -11 290 175	64 167 106 61	23,698 41,250 27,891 13,359	148,459 273,025 184,153 88,872	13,950 30,134 20,392 9,742	29,007 60,197 39,971 20,226	78,635 132,076 121,164 60,912	317,370 493,802 301,773 192,029	10,023 35,721 20,883 14,838	19,045 39,235 27,172 12,063	213,306 r404,876 r282,092 122,784
Des Moinesé. Dubuque' Dmains Fortion in Iowa. Fortion in Medraude	380 120 535 61 524	124 2: 214 17 197	21,858 10,740 34,992 1,778 33,214	135,537 69,501 205,982 8,503 197,479	14,483 8,363 24,845 1,203 23,642	. 28,313 16,339 51,017 2,566 48,451	85,967 52,077 136,100 4,965 131,135	294,099 126,357 423,895 18,262 405,633	11,310 8,177 19,979 1,405 18,574	23,230 10,581 33,047 1,949 31,098	241,323 99,379 317,001 13,755 303,246
Sioux City ⁹ Persion in Towa Persion in Mebracka	173 163 10	59 56 3	7,704 7,519 185	42,289 41,661 628	5,655 5,533 122	11,624 11,391 233	28,901 28,492 409	73,885 72,132 1,753	3,311 3,113 (Z)	8,345 8,231 114	66,873 65,892 981
Waterloo ¹⁰	162	55	18,271	118,934	13,649	25,940	84,154	223,113	8,007	18,027	168,836
Allamakee Appanoose Black Hawk Boose Brager	30 24 162 27 38	4 00 00 0	441 344 18,271 464 674	2,230 1,254 118,934 2,075 3,689	318 255 13,649 360 502	677 398 25,940 656 1,030	1,455 804 84,154 1,490 2,598	5,002 2,395 223,113 3,579 6,590	(Z) (D) 8,007 (Z) (Z)	361 326 18,027 464 692	3,162 2,074 168,836 2,873 5,067
Buchanan, Buens Vieta Curroll Cass, Cerro Sorso,	19 29 28 19 65	20 20	25: 978 567 526 3,267	907 5,481 2,132 2,988 18,789	216 811 399 188 2,496	436 1,694 836 407 4,972	706 4,438 1,286 903 13,504	1,815 7,767 5,183 12,321 42,345	(2) (2) (2) (2) (2) 2,939	336 764 520 549 3,558	2,047 7,831 4,286 8,614 41,109
Cherokee Clay. Clayton, Clinton, Cranfon:	2- 33 47 62 11	5 to 6 to	473 553 571 5,733 530	2,056 3,149 1,858 34,161 3,448	309 427 488 4,280 425	682 913 987 8,712 1,092	1,400 2,261 1,464 22,498 2,657	3,606 5,464 3,631 88,222 3,821	(Z) (Z) (Z) 14,281 (Z)	373 528 512 5,460 115	3,490 3,075 3,437 75,335 991
Calls: Delaware. Des 'b' is es Desais nos. Dubuque.	32 22 84 19 120	14 +2 0 2	312 8,296 373 10,740	2,946 1,217 43,614 1,442 69,501	514 248 6,372 233 8,363	1,075 556 12,671 492 16,339	2,041 894 30,393 733 52,077	6,535 2,469 104,590 4,572 126,357	(Z) (Z) 4,049 (Z) 8,177	571 194 6,430 238 10,581	4,763 1,501 56,479 1,336 99,379
Ermet. Fayette Flaps: Franklin Grundy.	15 41 26 21	the state of the state of	796 859 2,880 311 305	4,504 3,641 18,077 1,614 1,184	577 404 2,088 234 2-7	1,220 804 4,050 492 534	3,246 1,573 12,342 1,182 840	7,907 5,513 25,654 3,413 3,088	(2) (2) 1,309 (2) (2)	697 949 2,020 340 227	6,493 5,501 21,995 2,719 1,457
Hamilton Hardin Henry Hurrolst Iows	30 30 17 22 22	11 7 7	1,302 475 250 341 1,214	5,829 2,288 860 1,662 5,943	1,039 352 195 214 936	2,116 780 328 459 1,602	4,042 1,563 578 890 3,939	18,402 9,078 1,758 4,279 10,289	512 (Z) (Z) (Z) (Z) (Z)	1,178 521 231 303 1,093	10,445 7,986 1,719 2,656 8,936
Jackson, Jasper, Jefferson, Johnson, Jones,	24 39 23 4 32	14 12 1+ e	1,108 4,277 1,479 1,528 427	5,955 26,173 7,153 7,793 2,067	831 2,943 1,078 1,121 316	1,551 6,110 2,169 2,232 645	4,099 16,506 4,418 5,066 1,343	9,177 82,542 13,056 57,668 5,299	550 1,737 564 1,525 (Z)	1,641 5,169 1,340 739 354	12,005 67,201 9,194 25,335 2,642
Kosurs. Lee Linn Mahaska Marion	25 59 195 28 30	3 2 64 9 -	338 6,242 43,693 823 1,087	1,548 35,396 148,459 3,481 5,054	239 4,741 13,950 632 921	553 9,615 29,007 1,221 1,884	1,020 23,192 73,635 2,323 3,887	3,071 82,076 317,370 5,782 10,567	(Z) 5,600 10,023 (Z) (Z)	291 4,974 19,045 802 920	2,040 58,211 213,306 • 4,403 7,659
Marshall Muscatine Face Flyour See footnotes at end of table.	1: 60 19 1 26 25	22 24 3 5	4,387 3,137 306 440 462	27,132 16,541 1,212 2,070 1,861	3,030 2,254 238 298 294	6,551 4,708 521 614 602	16,807 9,835 846 1,158 1,094	74,547 40,296 3,514 4,767 3,737	2,406 8,594 (Z) (Z) 786	3,763 3,088 313 322 308	50,401 24,003 3,170 2,703 2,244

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958—Continued (See text for explanation of column captions)

					196	3				19	58
State, standard metropolitan statistical areas,	Establi num	shments,	All emp	loyees ²		duction work	kers	Value	Capital	All	Value
and counties	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
COUNTIES1——Continued Polk. Pottawattamie. Powerii	380 61 23	124 17 6	21,858 1,778 464	135,537 8,503 1,817	14,483 1,203 336	28,313 2,566 661	85,967 4,965 1,175	294,099 18,262 3,048	11,310 1,405 (Z)	23,230 1,949 471	241,323 13,755 2,654
3000	26 175 40 46	6 61 3 15	387 13,359 854 1,386	1,645 88,872 3,369 5,221	275 9,742 722 1,039	20,226 1,509 2,083	1,054 60,912 2,595 3,500	3,756 192,029 6,624 16,278	(Z) 14,838 675 537	368 12,063 576 998	3,972 122,784 3,805
Ct ry. Waitington deliter. Wintel o	25 64 25	8 27 5	528 4,462 731	2,270 26,507 2,895	371 3,376 593	692 6,785 1,220	1,276 19,302 2,111	6,157 61,217 6,241	(Z) 2,429 525	477 3,996 148	6,612 4,586 52,415 420
Withe blok. Windown Wrlant	25 163 28	6 56 7	344 7,519 606	1,379 41,661 2,999	258 5,533 353	546 11,391 774	962 28,492 1,681	2,470 72,132 10,951	(Z) 3,113 (Z)	249 8,231 456	1,745 65,892 7,959

(b) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand. *Revised.

1 Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

2 Includes employment and psyroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

3 Includes expenditures for both plants in operation and for plants under construction but not in operation.

4 The Cedar Rapids Standard Metropolitan Statistical Area is coextensive with Linm County, Iowa.

5 The Davenport-Rock Island-Moline Standard Metropolitan Statistical Area is coextensive with Polk County, Iowa.

6 The Dubuque Standard Metropolitan Statistical Area is coextensive with Dubuque County, Iowa.

8 The Omaha Standard Metropolitan Statistical Area consists of Douglas and Sarpy Counties, Nebr., and Pottawattamie County, Iowa.

9 The Sioux City Standard Metropolitan Statistical Area consists of Woodbury County, Iowa and Dakota County, Nebr.

10 The Waterloo Standard Metropolitan Statistical Area is coextensive with Black Hawk County, Iowa.

Table 3. — GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

				(Dee text)	101 explana	01001 01 001	din caption					
						196	3				19	58
	T.A. shows on a		shments,	All emp	loyees	Pro	duction wor.	kers	Value added by	Capital	All employ-	Value added by
Code	Industry group	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	expend- itures, new1	ees,	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total ²	3,451	964	178,146	1,043,915	126,865	256,350	686,876	2,275,928	126,707	166,126	1,684,269
20	Food and kindred products	921	287	50,654	304,875	35,130	72,394	205,312	653,063	39,262	53,073	539,951
201	Meat products	119 341	62 70	25,665 5,932	171,703 28,927	20,220	40,239 7,263	133,316 14,224	274,22C 73,238	9,342 5,818	27,332 7,025	230,456
203	Canned and frozen foods		11	1,877	7,281	1,592	3,236	,5,380	25,482	(0)	1,808	12,744
204	Grain mill products	172	57	8,632	52,727	5,106	11,259	30,276	174,411	11,822	8,539	144,828
208	Beverages	71	26	1,995	10,835	950	2,020	4,195	22,801	4,517	1,639	15,004
209	kindred products	90	29	2,148	12,077	1,377	3,025	6,901	45,751	2,564	2,178	33,240
23	Apparel and related products	72	34	3,413	10,445	3,077	5,518	8,514	17,561	601	3,888	17,887
232	Men's and boys' furnishings	14	10	1,235	3,264	1,155	2,002	2,956	5,869	(z)	1,158	4,300
239	Fabricated textiles, n.e.c	32	6	627	2,349	502	974	1,619	3,334	(Z)	988	5,601
24	Lumber and wood products	174	31	3,394	15,193	2,819	5,394	11,599	27,060	1,227	4,712	30,195
243	Millwork and related products	43	17	2,417	11,710	1,993	3,954	8,863	21,418	733	3,821	25,541
249	Miscellaneous wood products	19	4	254	, 974	206	373	659	1,583	(Z)	234	1,382
25	Furniture and fixtures	67	19	2,316	12,418	1,680	3,397	7,266	26,117	1,241	2,695	20,132
251	Household furniture	39	11	1,334	7,043	974	1,965	3,946	13,406	503	1,611	10,032
26 265	Paper and allied products Paperboard containers and	34	28	3,052	16,016	2,424	5,092	11,406	40,002	2,197	2,417	27,016
200	boxes	19	17	1,702	9,135	1,376	3,015	6,663	19,766	1,235	1,235	15,241
27	Printing and publishing	659	94	11,616	61,963	6,604	12,943	33,970	124,397	4,765	11,228	103,593
271	Newspapers	309	. 39	5,604	28,028	3,019	5,652	15,080	51,252	2,198	5,644	46,961
272	Periodicals	35	4	2,411	15,171	1,045	2,163	7,374	40,836	(Z)	2,483	31,944
275	Commercial printing	237	27	2,390	11,693	1,756	3,544	7,897	18,912	1,451	2,230	16,800
278	Bookbinding and related work.	13	3	447	3,126	257	521	1,065	3,887	(Z)	194	798
28	Chemicals and allied products	142	33	5,034	30,358	3,151	6,230	16,480	139,413	16,126	4,442	92,684
281	Pasic chemicals	15	6	597	3,752	477	981	2,610	15,540	2,543	384	5,185
283	Drugs	14	3	865	5,201	392	759	1,850	15,274	1,215	905 580	15,530 20,848
284	Cleaning and toilet goods	32 12	5 4	579 518	3,227 3,151	320 331	675 638	1,507 1,803	47,385 19,467	(Z)	473	11,689
285	Paints and allied products	12	4)18	2,121	221	030	1 2,000	22,001	(2)	415	

See footnotes at end of table.

(See text for explanation of column captions)

						196	i3				19	5ø
0-1-		Establi num	shments,	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
30	Rubber and plastics products,											
307	Plastics products, n.e.c	29	11	1,711	8,145	1,410	2,702	6,011	14,437	1,366	990	4,358
31	Leather and leather products	11	7	568	1,710	451	735	1,157	2,655	(0)	290	958
32 324 325 327	Stome, clay and glass products. Cement, hydraulic Structural clay products Concrete and plaster products	309 5 21 269	52 5 17 36	5,862 1,270 1,062 3,476	33,342 8,475 5,486 19,132	4,659 1,110 861 2,643	10,110 2,284 1,893 5,839	24,977 7,027 4,210 13,569	98,369 32,045 7,876 58,058	7,967 3,493 605 3,853	5,888 1,423 1,177 3,216	83,240 29,561 8,679 44,521
33 332 336	Primary metal industries Iron and steel foundries Nonferrous foundries	70 30 23	34 20	6,959 2,596 623	47,018 14,719 3,021	5,679 2,223 531	12,025 4,367 1,090	35,400 12,090 2,314	106,092 23,199 5,245	11,570 1,339 (3)	5,294 2,007 406	62,276 13,581 2,508
34 342 344 346 348	Fabricated metal products Cutlery, hand tools, hardware Structural metal products Metal stampings	216 21 112 11	79 6 40 5	9,446 633 4,131 747	52,741 3,295 23,301 3,873	7,140 522 3,179 598	14,754 960 6,565 1,264	35,799 2,253 16,142 2,784	103,121 6,427 42,958 5,268	3,937 (Z) 1,260 (Z)	8,527 734 2,823 1,041	94,219 9,659 28,474 7,690
349	Fabricated wire products, n.e.c	12	5	553	2,658	475	935	1,979	4,843	(2)	439	2,415
3.47	n.e.c	24	C.	2,125	12,824	1,423	3,129	8,138	31,678	1,205	1,716	22,332
35 352 353	Machinery, except electrical Farm machinery and equipment. Construction and like	411 119	136 55	35,489 21,605	229,454 146,413	26,809 16,826	53,093 32,499	159,460 106,289	476,344 287,664	21,380 14,589	31,274 18,888	301,412 190,287
354 355 358 359	equipment Metalworking machinery Special industry machinery Service industry machines Miscellaneous machinery	48 50 37 15 103	24 13 16 7 6	5,746 1,658 1,573 1,052 700	35,883 10,800 8,961 6,520 3,241	4,005 1,159 1,158 820 596	8,338 2,424 2,311 1,765 1,261	22,289 6,564 5,719 4,466 2,571	80,666 18,008 18,375 31,991 5,822	2,830 1,146 (Z) (I) (Z)	5,823 1,254 1,305 61* 511	55,811 11,022 12,777 5,196 3,899
36 363 367	Electrical machinery Household appliances Electronic components	56 10 14	35 7 11	19,635 3,573 3,205	107,380 21,031 13,787	12,896 3,181 2,615	25,918 6,355 4,937	61,772 17,997 9,776	256,121 84,740 36,360	6,321 1,635 793	14,765 5,015 1,794	163,748 70,226 17,255
37 371	Transportation equipment Motor vehicles and equipment.	68 35	29 14	2,571 1,188	13,506 5,941	2,065 972	4,120 2,031	9,068 4, 3 20	25,727 13,223	1,181 851	3,883 1,200	30,983 9,160
38	Instruments and related products	32	9	2,442	14,919	1,509	3,163	7,66-	26,739	1,326	1,749	11,781
39 396	Miscellaneous manufacturing, including ordnance ³ Costume jewelry and notions	154 18	41 9	8 ,133 602	41,509 2,077	6,249 476	12,377 861	27,765 1,268	74,006 3,633	3,627 (Z)	6,112 979	49,497 4,536
	Administrative and auxiliary4	-	-	1,949	14,612	-	-	-	-	-	1,627	-

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958 DAVENPORT-ROCK ISLAND-MOLINE SMSA

("All manufacturing" totals for the Davenport-Rock Island-Moline SMSA (which includes Scott County in Iowa) appear in table 2. Industry group statistics for this area are shown in the 1963 Census of Manufactures report for the State of Illinois.)

⁻ Represents zero. (D) Withheld to avoid disclosing figures for individual companies. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

The ludges data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are recorded.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ormance and Accessories." Government owned and operated establishments excluded.

'In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for centrel administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage ware-houses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

U.S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE







Area series

preliminary report

Value added by manufacturing in 1963 in the State of Kansas amounted to \$1,437 million, an increase of 6 percent from 1962 and 23 percent from 1958. Of this total, \$433 million was contributed by the transportation equipment industries and \$239 million by the food and kindred products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. For 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1 .-- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establishments, number		All employees1		Pr	oduction worke	rs	Value added by	Capital	Index of	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufacture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	2,440 (NA) (NA) (NA) (NA) (NA) 2,287	678 (NA) (NA) (NA) (NA) (NA)	113,623 114,076 108,922 111,290 116,132 118,830	681,402 661,871 610,649 602,290 613,589 590,826	84,322 83,578 79,664 81,326 85,650 86,641	175,705 170,709 159,727 164,087 174,448 173,943	461,026 437,567 399,677 402,513 419,126 403,704	1,436,874 1,356,972 1,266,846 1,237,677 1,202,662 1,171,017	86,815 73,081 56,736 59,426 76,916 98,959	96 96 92 94 98 100	123 116 108 106 103 100

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

July 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary BUREAU OF THE CENSUS,



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units (1) at different locations from the which were: establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll</u>.--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours. -- This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. -- This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

KANSAS

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

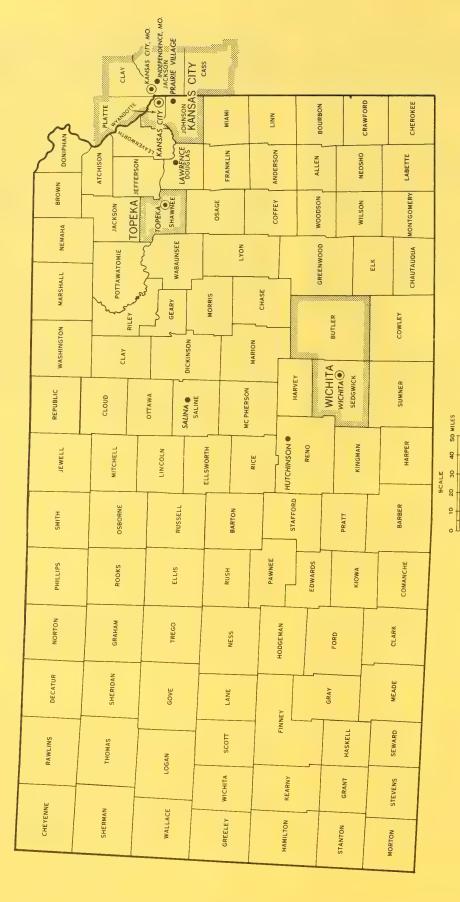
The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



(ANSAS

Incorporated places of 100,000 and over

Incorporated places of 25,000-100,000

Standard Metropolitan Statistical Areas



KANSAS

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

					196	3				19	58
State, standard metropolitan	Establi	shments,	All emp	loyees ²		duction work	kers	Value	Capital	All	Value
statistical areas, and counties 1	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
KANSAS, TOTAL	2,440	678	113,623	681,402	84,322	175,705	461,026	1,436,874	86,815	118,830	1,171,017
STANDARD METROPOLITAN STATISTICAL AREAS											
Kansas City ⁴ Portion in Missouri Portion in Kansas	1,698 1,328 370	610 478 132	111,660 84,796 26,864	686,415 512,141 174,274	75,500 55,186 20,314	152,296 109,018 43,278	422,156 295,955 126,201	51,508,433 51,035,583 472,850	75,861 56,933 18,928	102,960 79,222 23,738	1,069,063 765,843 303,220
Topeka ⁶	132 506	42 141	6,667 43,216	40,911 286,933	4,849 31,287	10,275 64,424	28,369 182,647	101,910 463,088	8,515 22,712	6,185 54,494	74,488 473,465
COUNTIES											
Allen. Atchison. Bartton. Bourbon. Brown.	29 28 31 24 12	9 10 6 8 3	856 1,617 683 629 309	4,087 7,800 3,578 2,240 1,189	708 1,333 506 498 284	1,349 2,602 1,107 974 586	3,305 5,825 2,637 1,429 1,048	11,296 13,032 7,853 6,118 2,006	549 (2) (2) (2) (2) (2)	799 1,786 399 766 283	9,962 12,319 3,436 6,618 1,615
Butler. Cherokee. Cowley. Crawford. Dickinson	33 22 36 52 23	9 7 16 15 5	1,690 1,369 1,941 1,588 638	10,728 7,209 10,923 7,817 3,660	1,255 1,107 1,489 1,201 420	2,767 2,112 3,251 2,503 963	7,677 5,334 8,497 5,619 1,966	50,856 24,208 27,758 15,007 7,356	12,103 517 972 955 (Z)	1,878 1,411 1,789 1,473 562	21,217 19,774 18,823 10,340 5,666
Douglas Finney Ford Franklin Harvey	50 24 39 22 42	14 6 10 6 16	2,289 430 685 608 1,5 68	10,885 1,935 3,264 2,362 7,486	1,738 260 457 467 1,154	3,400 505 987 1,060 2,570	7,331 836 1,918 1,671 5,163	28,991 5,196 8,539 2,978 13,730	8,428 (Z) (Z) (Z) (Z) 604	1,742 273 617 581 1,219	20,202 2,778 6,229 2,374 11,910
Jackson. Johnson. Labette Leavemorth Lyon.	9 102 43 25 31	2 28 14 12 11	285 2,895 1,120 1,151 1,099	959 14,709 4,173 5,517 4,670	255 2,272 910 892 765	468 4,376 1,822 1,732 1,560	798 10,336 2,882 3,855 2,864	1,247 29,149 8,039 10,854 7,780	(Z) 1,126 (Z) 515 746	158 2,122 1,010 1,252 841	1,169 15,445 6,007 10,430 5,911
McPherson Miami Montgomery Neosho Pratt	29 13 75 32 12	11 6 24 12 5	759 507 3,734 828 261	4,705 2,148 18,253 3,671 1,123	552 407 2,933 693 181	1,166 847 5,906 1,357 382	3,199 1,576 12,922 2,878 748	14,907 4,197 37,677 8,623 1,411	1,554 (Z) 1,838 (Z) (Z)	879 387 4, 583 728 222	10,625 2,195 38,632 8,599 1,489
Reno. Rice Saline Sedgwick Seward.	101 12 58 473 14	36 3 22 132 4	4,046 275 1,374 41,526 268	21,160 1,419 7,492 276,205 1,536	3,006 216 836 30,032 173	6,384 461 1,832 61,657 426	13,927 1,035 4,247 174,970 962	43,234 3,459 16,958 412,232 5,674	2,753 (2) 780 10,609 8,764	3,108 269 1,551 52,616 211	32,233 2,690 15,843 452,248 2,087
Shawnee Summer Wyandotte	132 26 268	42 4 104	6,667 306 23,969	40,911 1,720 159,565	4,849 246 18,042	10,275 617 38,902	28,369 1,276 115,865	101,910 2,490 443,701	8,515 (Z) 17,802	6,185 379 21,616	74,488 2,837 287,775

Kansas.

The 1960-1962 value added figures for the Kansas City Standard Metropolitan Statistical Area have been revised as follows:

Year	Value added b	
	As published	As revised
1962 1961 1960	1,561,961 1,329,874 1,364,538	1,440,858 1,191,133 1,264,538

⁽²⁾ Less than \$500 thousand.

Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The Kansas City Standard Metropolitan Statistical Area consists of Cass, Clay, Jackson and Platte Counties, Mo., and Johnson and Wyandotte Counties,

No revisions to the 1959 and earlier years data are required.

6The Topeka Standard Metropolitan Statistical Area is coextensive with Shawnee County, Kansas.

7The Wichita Standard Metropolitan Statistical Area consists of Butler and Sedgwick Counties, Kansas.

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY CROUPS: 1963 AND 1958

(See text for explanation of column captions)

						196	3				19	58
Codo	To desident meson	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
	All industries, total ²	2,440	678	113,623	681,402	84,322	175,705	461,026	436,874	86,815	118,830	1,171,017
20 201 202 204 208 209	Food and kindred products Meat products. Dairies. Grain mill products. Beverages. Miscellaneous foods and	537 104 113 125 58	181 34 40 47 19	21,182 8,919 3,299 3,746 1,215	122,051 57,480 16,229 23,138 5,791	14,487 6,956 1,579 2,761 596	31,309 14,427 3,320 6,608 1,432	81,003 44,435 6,709 16,278 2,045	238,511 83,527 33,375 61,736 10,916	12,308 2,635 3,797 3,169 760	21,970 9,201 3,853 3,611 1,017	215,784 73,367 33,465 56,153 9,954
	kindred products	63	16	1,184	5,814	779	1,694	3,454	16,023	872	1,125	10,847
23 232 233 239	Apparel and related products Men's and boys' furnishings Women's and misses' outerwear. Fabricated textiles, n.e.c	71 13 15 34	37 10 10 11	3,837 1,305 940 827	11,457 3,568 2,991 2,736	3,509 1,207 868 720	6,580 2,237 1,581 1,400	9,648 2,996 2,632 2,122	19,252 7,036 4,600 4,661	(Z) (Z) (Z) (Z)	2,766 1,022 762 549	12,385 3,972 3,329 3,170
24 242 243	Lumber and wood products Sawmills and planing mills Millwork and related products.	93 30 34	13 3 7	892 250 465	3,575 969 2,076	753 213 384	1,503 429 761	2,718 754 1,527	4,899 1,416 2,217	(z) (z) (z)	745 187 457	4,662 825 3,291
25 251	Furniture and fixtures Household furniture	58 30	12 7	1,372 795	6,453 3,599	1,064 660	2,135 1,298	4,470 2,623	11,507 6, 981	(Z) (Z)	1,117 593	8,956 5,796
26 265	Paper and allied products Paperboard containers and boxes	28 13	16 11	2,611 1,884	13,463 10,321	2,047 1,446	4,225 3,028	9,620 7,240	25,394 20,538	2,080 1,696	2,064 1,674	17,735 14,163
27 271 274 275 278	Printing and publishing. Newspapers. Miscellaneous publishing. Commercial printing. Bookbinding and related work.	512 243 11 172 10	74 34 3 17 3	8,238 3,278 379 1,508	37,838 15,452 1,449 7,545 1,617	5,640 1,820 294 1,201 235	10,875 3,550 595 2,392 532	24,560 8,625 1,107 5,492 1,192	63,587 26,853 2,636 12,668 3,349	5,428 1,477 (Z) 928 (Z)	7,576 3,523 297 1,301	52,423 24,405 1,924 9,674 2,237
28 281 289	Chemicals and allied products Basic chemicals Miscellameous chemical products.	109 25	37 11	6,271 2,244 961	40,649 14,391 5,327	4,493 1,627	9,214 3,347 1,537	26,429 9,772 3,675	192,217 57,217 15,938	31,129 18,223	5,749 2,182 1,426	125,461 40,938 16,639
29 291	Petroleum and coal products Petroleum refining	30 17	16 14	3,954 3,698	27,728 26,143	3,083 2,918	6,531 6,173	20,218 19,358	111,052 100,570	15,952 15,802	4,448 4,169	72,097 69,595
30 307	Rubber and plastics products, n.e.c.: Plastics products, n.e.c	25	6	399	1,799	326	590	1,044	3,108	(Z)	225	1,251
32 324 327	Stone, clay and glass products Cement, hydraulic Concrete and plaster products.	195 7 143	45 7 22	6,625 1,146 1,838	37,981 6,750 9,622	5,174 930 1,218	10,722 1,831 2,620	28,924 5,094 5,881	85,988 20,930 24,439	7,920 604 1,821	6,088 1,307 1,762	76,744 24,489 21,854
33	Primary metal industries	37	19	2,019	10,134	1,721	3,443	7,944	17,109	541	1,879	12,160
34 344 348	Fabricated metal products Structural metal products Fabricated wire products,	173 106	67 41	5,513 2,785	29,116 15,406	4,456 2,002	8,964 4,093	21,443 9,783	63,582 28,800	2,237 1,064	5,267 2,792	48,156 23,533
349	n.e.c Fabricated metal products, n.e.c	10 20	7	314 459	1,385 2,777	252 377	483 781	933 2,070	2,615 5,513	(Z) (Z)	283 527	2,412 4,857
35 352	Machinery, except electrical Farm machinery and equipment	312 83	85 27	8,437 1,944	46,535 9,227	6,027 1,359	12,744 2,978	28,873 5,664	92,400 18,967	4,291 971	8,412 1,953	67,823 19,215
353 354 355 356 358	Construction and like equipment. Metalworking machinery. Special industry machinery. Ceneral industrial machinery. Service industry machines.	30 28 19 36 15	12 8 9 9	1,635 345 809 1,130 859	10,067 1,782 4,833 6,858 4,362	1,100 249 547 688 629	2,329 496 1,220 1,458 1,139	5,572 1,161 2,635 3,879 2,663	13,919 3,045 8,055 14,697 15,310	451 (Z) (Z) (Z) (Z)	1,749 376 648 897 1,447	12,850 2,817 6,963 9,565 5,850
36 369	Electrical machinery Electrical products, n.e.c	42 10	15 5	2,907 732	13,821 4,836	2,276 621	4,678 1,312	9,387 3,964	24,076 13,343	1,172 (Z)	1,457 586	11,291 5,232
37 379	Transportation equipment Transportation equipment,	101	37	34,497	245,647	26,403	56,143	167,060	433,130	8,324	44,890	394,929
	n.e.c	29	12	1,371 1,407	6,857	1,131	2,343	5 , 293	15,535	(Z)	579 866	5,088
			_	1,407	10,100	-					-003	

⁻ Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand.

¹Includes expenditures for both plants in operation and for plants under construction but not in operation.

²The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

³In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage Warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

KANSAS

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1953

(See text for explanation of column captions)

_						196	3				19	58
Code	Industry group		shments,	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
Code	industry group	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	added by manufac- ture	expend- itures, new1	employ- ees, number	added by manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
		Wyando	tte Count		as) appear :	sas City St in table 2.	Industry gr	opolitan Sta	tistical Are			
					(See fo	otnotes at	WICHITA S end of table		description)		
	All industries, total ²	506	141	43,216	286,933	31,287	64,424	182,647	463,088	22,712	54,494	473,465
20 201 202 204 205	Food and kindred products. Meat products. Dairies. Crain mill products. Bakery products.	76 15 11 13 13	35 7 7 6 7	3,999 1,672 612 571 553	24,023 10,887 3,528 3,747 2,874	2,601 1,380 203 451 259	5,502 2,752 428 1,108 542	14,396 8,438 907 2,830 1,203	48,148 18,801 7,627 10,552 5,330	1,709 (Z) 574 (Z) (Z)	4,150 1,684 743 618 561	43,453 13,481 7,408 11,486 4,880
209	Miscellaneous foods and kindred products	15	4	291	1,539	172	369	713	4,229	(2)	327	4,296
23	Apparel and related products	15	6	3 63	1,207	299	590	889	1,958	(2)	166	1,061
27 275	Printing and publishing Commercial printing	86 46	9	1,401 338	8,321 1,965	846 257	1,646 520	4,899 1,382	14,418 3,194	1,215 (Z)	1,652 437	13,112 3,421
28	Chemicals and allied products	20	4	568	3,436	372	799	2,162	11,085	(D)	520	9,556
32	Stone, clay and glass products.	25	6	321	1,786	173	385	857	3,998	(Z)	548	6,624
33 332	Primary metal industries Iron and steel foundries	13 5	7 4	400 280	1,721 1,134	359 253	750 513	1,399 947	2,788 1,753	(Z) (Z)	360 239	2,223 1,191
34	Fabricated metal products	55	18	2,113	11,449	1,828	3,857	9,404	28,385	886	1,963	20,810
35	Machinery, except electrical	78	17	1,173	5,666	878	1,774	3,778	8,715	(2)	2,581	11,954
37	Transportation equipment	46	16	28,699	201,611	21,635	44,443	132,079	280,768	4,479	39,273	331,974
	Administrative and auxiliary3	-	-	1,167	8,990	-	-	-	-	-	514	-

⁻ Represents zero. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand.

1 Includes expenditures for both plants in operation and for plants under construction but not in operation.

2 The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

3 In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

U.S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

POSTAGE AND FEES PAID

U.S. DEPARTMENT OF COMMERCE







Area series

KENTUCKY

preliminary report

Value added by manufacturing in 1963 in the State of Kentucky amounted to \$2,460 million, an increase of 11 percent from 1962 and 39 percent from 1958. Of this total, \$364 million was contributed by the food and kindred products industry and \$352 million by the electrical machinery industry, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num		All employees ¹		Pr	oduction worke	rs	Value added by	Capital	Index of (1958 =	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963 1962 ³ 1961 ³ 1960 ³ 1959 ⁸	2,886 (NA) (NA) (NA) (NA) (NA) 2,850	1,001 (NA) (NA) (NA) (NA) (NA)	181,600 175,784 169,123 172,556 173,843 162,228	963,329 900,228 839,055 816,840 805,859 721,348	140,610 133,933 127,359 132,056 133,891 124,704	279,561 263,306 249,573 258,979 265,249 241,746	657,429 596,163 549,028 546,608 548,203 491,809	2,460,058 2,206,989 2,025,479 1,946,519 2,062,906 1,769,269	226,342 140,335 122,066 110,648 102,731 114,974	112 108 104 106 107 100	139 125 114 110 117 100

(D) Withheld to avoid disclosing figures for individual companies. (NA) Not available. TRevised. (X) Not applicable.

*Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

*Includes expenditures for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

April 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in

EXPLANATION OF TERMS

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

<u>Production workers</u>, wages.--This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series M:63(P)-20A through M:063(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

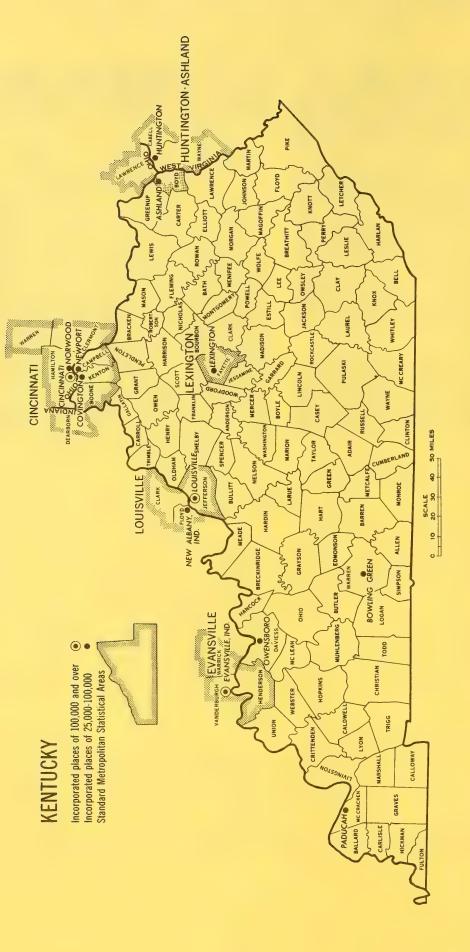


Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

					196	3				19	58
State, standard metropolitan	Establi num	shments, ber	All emp	Loyees ²	Pro	duction wor.	kers	Value	Capital	All	Value
statistical areas, and counties1	Total	With 20 or more	Number	Payroll	Number	Man-hours	Wages	added by manufac- ture	expend- itures, new3	employ- ees, number ²	added by manufac- ture
	Total	employ- ees	number	(\$1,000)	Ndmoer.	(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
KENTUCKY, TOTAL	2,886	1,001	181,600	963,329	140,610	279,561	657,429	2,460,058	226,342	162,228	r _{1,769,269}
STANDARD METROPOLITAN STATISTICAL AREAS											
Cincinnati ⁴ . Portion in Ohio. Portion in Kentucky. Portion in Indiana. Evansville ² . Portion in Indiana. Portion in Indiana. Portion in Kentucky. Huntington-Ashland ⁶ Portion in Ohio. Portion in West Virginia. Portion in Kentucky. Lexington ⁷ . Louisville ⁸ . Portion in Indiana. Portion in Kentucky.	1,920 1,708 179 33 296 240 56 263 44 180 39 142 873 135 738	766 700 55 11 120 94 26 111 19 76 16 61 403 64 339	152,623 141,279 7,505 3,839 27,279 24,850 2,429 24,252 4,134 13,531 6,587 10,889 88,441 10,027 78,414	965,009 900,398 42,700 21,911 155,711 146,143 9,568 146,984 25,178 75,627 46,179 65,523 546,161 51,481 494,680	100,463 91,633 5,732 3,098 19,249 17,222 2,027 18,905 3,386 10,720 4,799 7,337 65,220 8,281 56,939	207,117 189,099 11,747 6,271 38,277 34,311 3,966 37,679 6,722 21,631 -9,326 15,582 152,142 16,829 112,313	555,623 509,609 29,226 16,788 95,521 88,392 7,129 104,816 19,673 53,509 31,634 37,161 361,686 38,097 323,589	2,007,160 1,826,787 80,761 99,612 348,342 327,505 20,837 71,116 149,481 156,569 1,553,121 152,275 1,400,846	77,912 72,631 3,080 2,201 27,229 (D) (D) (D) (D) (D) (D) (D) 99,586 72,898 5,945 66,953	156,478 145,526 7,663 3,289 27,083 24,909 2,174 22,814 4,317 12,336 6,161 7,798 86,653 8,153 78,500	1,555,328 1,428,687 70,360 56,281 275,310 261,745 13,565 244,042 50,423 113,764 79,855 77,342 1,161,445 1,00,351 1,061,094
COUNTIES1											
Adair.	14	2	255	546	238	423	498	1,525	(2)	95	315
Allen	19	6	811	1,906	726	1,303	1,739	3,322	(2)	540	1,425
Anderson.	9	5	456	2,373	372	797	1,748	5,694	793	537	3,408
Barren.	22	11	1,198	3,667	1,079	1,936	3,071	4,836	(2)	972	2,600
Bell	34	10	758	2,646	618	1,283	1,975	5,467	(2)	650	4,599
Boane. Bourban. Boyd. Boyle. Caldwell.	12	4	277	1,222	236	553	907	2,490	(Z)	63	323
	20	5	729	2,718	606	1,052	1,964	4,882	(Z)	799	4,474
	39	16	6,587	46,179	4,799	9,326	31,634	96,814	(D)	6,161	79,855
	25	12	1,978	7,705	1,707	3,337	6,068	13,963	754	1,564	11,042
	16	4	732	2,233	685	1,317	1,973	4,562	(Z)	495	1,870
Calloway. Campbell. Carroll. Carter. Casey.	27 65 9 16 18	3 17 5 5 3	1,075 3,225 507 593 282	4,869 19,896 1,985 2,686	919 2,467 449 552 247	1,728 4,954 886 1,063 413	3,744 14,122 1,496 2,408 548	10,200 41,983 3,345 3,215 824	(Z) 1,357 (Z) (Z) (Z)	974 3,861 401 748 111	7,810 37,550 2,492 5,302 266
Christian.	44	17	2,393	8,995	1,949	3,874	6,234	22,412	620	1,867	13,161
Clark.	23	8	1,425	5,447	1,178	2,215	3,880	11,727	(Z)	1,115	7,947
Crittenden	12	3	350	1,215	315	602	1,014	3,772	(Z)	180	1,445
Daviess.	84	33	9,313	46,987	7,519	14,790	33,604	87,861	3,759	7,582	70,068
Fayette.	142	61	10,889	65,523	7,337	15,582	37,161	156,569	9,586	7,798	77,342
Fleming.	13	2	378	1,300	346	769	1,139	1,929	669	2,138	95
Franklin.	23	9	2,004	9,316	1,684	3,190	6,911	19,333	718	2,138	¹ 24,229
Fultun.	16	5	556	1,629	495	1,105	1,352	3,133	(Z)	581	2,549
Graves.	46	12	3,084	11,099	2,658	4,867	8,454	34,129	916	2,806	13,761
Grayson.	18	6	511	1,291	457	774	1,035	2,172	(Z)	315	958
Greenup.	13	4	312	1,880	228	472	1,346	6,378	2,488	251	2,314
Hardin.	26	7	630	2,447	529	1,133	1,846	5,618	2,471	329	2,767
Harlan.	26	8	465	1,885	301	623	1,008	4,112	(Z)	445	2,436
Harrison.	14	8	978	4,610	808	1,703	3,445	6,430	(Z)	578	3,422
Hart.	8	3	263	744	225	410	533	3,092	(Z)	154	843
Henderson.	56	26	2,429	9,568	2,027	3,966	7,129	20,837	(D)	2,174	13,565
Hopkins.	37	8	745	2,505	618	1,184	1,884	3,529	(Z)	718	3,051
Jefferson.	738	339	78,414	494,680	56,939	115,313	323,589	1,400,846	66,953	78,500	1,061,094
Jessamine	9	2	281	945	257	497	790	2,425	(Z)	117	465
Kenton.	102	34	4,003	21,582	3,029	6,240	14,197	36,288	1,622	3,729	32,487
Knox.	18	6	716	2,760	607	1,206	1,950	4,086	(Z)	320	1,555
Laurel.	32	6	601	2,178	424	840	1,202	5,927	550	408	2,766
Lincoln	11	2	501	1,562	474	928	1,447	3,141	(Z)	87	418
Logan.	30	16	1,805	6,233	1,596	3,066	5,069	14,420	1,666	952	5,420
McCracken.	58	21	4,428	22,170	3,329	6,419	14,434	51,941	3,177	4,881	45,127
McLean.	12	6	333	1,101	293	600	931	1,827	(Z)	272	1,100
Madison	25	7	1,480	6,067	1,282	2,666	5,052	14,666	690	853	8,178
Marshall.	16	8	2,141	14,948	1,608	3,325	10,836	63,472	24,438	1,562	40,966
Mason.	14	10	1,738	9,009	1,428	2,577	6,420	24,758	2,137	1,774	19,026
Mercer.	15	4	1,124	4,291	1,000	1,789	3,555	10,458	(Z)	777	6,454
Monroe.	16	6	528	1,230	500	910	1,127	1,687	(Z)	227	794
Montgomery.	12	3	688	2,218	619	1,177	1,876	2,669	(Z)	533	3,608
Muhlenberg.	28	6	310	876	258	523	716	1,669	(Z)	450	2,197
Nelson.	22	10	1,084	6,155	867	1,664	3,958	20,883	527	1,174	12,775

See footnotes at end of table.

1963 CENSUS OF MANUFACTURES

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958—Continued (See text for explanation of column captions)

	1963									1958	
State, standard metropolitan statistical areas, and counties ¹	Establishments, number		All employees ²		Production workers			Value	Capital	All	Value
	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
COUNTIES1—Continued											
Ohio. Pulaski Rowan Russell	19 53 21 9	5 12 8 3	298 1,400 665 318	852 4,394 2,282 818	255 1,220 577 279	468 2,209 1,101 533	616 3,356 1,840 696	1,187 8,854 4,253 895	(Z) 815 (Z) (Z)	174 1,144 559 113	497 6,076 2,820 370
Scott. Shelby. Simpson. Todd. Union.	18 22 19 12 17	11 10 9 3 3	1,560 521 1,444 334 297	6,162 2,527 5,589 918 794	1,277 396 1,270 308 278	2,575 937 2,627 583 510	4,380 1,645 4,520 808 725	14,434 3,790 16,496 1,601 3,368	599 (Z) (Z) (Z) (Z)	567 374 571 306 221	2,597 2,251 5,479 1,049 1,158
Warren Washington. Wayne. Webster. Whitley.	54 8 25 13 27	17 3 5 3 4	3,123 516 706 425 449	11,345 1,563 1,727 1,106 1,290	2,519 479 673 412 365	4,872 918 1,271 782 725	8,270 1,334 1,597 1,071 1,080	30,321 2,537 3,472 2,248 2,188	955 (Z) (Z) (Z) (Z)	2,973 395 486 345 377	24,924 1,710 1,635 1,094 1,372

(D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand.

*Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

*Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

*Includes expenditures for plants under construction but not in operation.

*The Cincinnati Standard Metropolitan Statistical Area consists of Clermont, Hamilton, and Warren Counties, Ohio, Boone, Campbell and Kenton Counties, Vs., and Dearborn County, Ind.

*The Evansville Standard Metropolitan Statistical Area consists of Vanderburgh and Warwick Counties, Ind., and Henderson County, Ky.

*The Huntington-Ashland Standard Metropolitan Statistical Area consists of Cabell and Wayne Counties, W. Va., Boyd County, Ky., and Lawrence County, Ohio.

Ohio.

The Lexington Standard Metropolitan Statistical Area is coextensive with Fayette County, Ky.

The Louisville Standard Metropolitan Statistical Area consists of Jefferson County, Ky., and Clark and Floyd Counties, Ind.

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

				(See text :	for explana	tion of col	umn captions	3)					
		1963										1958	
Code	Industry group	Establishments, number		All employees		Production workers			Value	Capital	All	Value	
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)	
	All industries, total ²	2,886	1,001	181,600	963,329	140,610	279,561	657,429	2,460,058	226,342	162,228	r _{1,769,269}	
20 201 202 204 208 209	Food and kindred products	503 94 98 62 126	220 26 59 17 75	23,967 3,323 3,925 1,215 10,171	128,144 18,354 18,621 5,381 57,989	15,763 2,530 1,908 897 7,123	32,182 5,371 3,949 2,116 13,747	76,281 12,575 8,268 3,585 37,406	364,022 29,858 49,721, 20,102 198,403	16,456 3,968 2,269 947 7,028	27,198 3,156 4,745 1,497 11,629	r350,434 28,367 43,388 16,345 r204,690	
	kindred products	54	11	1,674	9,351	1,040	2,275	4,878	28,000	1,148	1,732	20,921	
21	Tobacco manufactures	34	27	10,017	50,540	8,964	18,996	43,271	272,475	(D)	10,284	235,384	
22 225	Textile mill products Knitting mills	20 9	15 7	4,752 3,858	14,926 11,700	4,468 3,669	7,856 6,733	12,792 10,318	35,439 27 ,7 71	840 (Z)	r3,933 r3,043	r _{23,607} r _{19,061}	
23 232 233	Apparel and related products Men's and boys' furnishings Women's and misses'	125 54	96 50	19,825 11,417	57,529 31,750	18,491 10,771	34,018 19,681	49,342 27,528	92,075 50,565	1,406 727	r _{16,614} r _{9,069}	r _{58,822} r _{30,602}	
239	outerwear	20 33	10 10	1,977 1,308	5,595 4,346	1,845 1,113	3,344 2,233	4,972 3,376	7,731 8,705	(Z)	1,379 954	3,818 3,260	
24 242 243 249	Lumber and wood products Sawmills and planing mills Millwork and related products Miscellaneous wood products	648 446 37 46	113 71 14 16	8,591 5,351 1,014 770	26,347 14,262 4,861 2,285	7,374 4,623 799 691	14,022 8,795 1,621 1,341	21,121 11,985 3,152 1,898	43,980 24,183 8,354 4,304	4,177 3,062 (Z) (Z)	8.921 5,410 1,184 707	39,173 18,076 7,556 5,731	
25 251	Furniture and fixtures Household furniture	102 74	47 36	5,362 4,725	21,549	4,613 4,076	9,257 8,215	16,714 14,842	34,266 30,048	984 820	4,708 4,442	28,120 26,594	

See footnotes at end of table.

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY CROUPS: 1963 AND 1958—Continued

(See text for explanation of column captions)

		1963										
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor.	kers	Value	Capital expend- itures, new (\$1,000)	All employ- ees, number	Value added by
Code	turnor) group	Total	With 20 or more employ- mes	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)			manufac- ture (\$1,000)
26 265	Paper and allied products Paperboard containers and	29	21	3,635	16,433	2,977	6,046	11,744	29,674	1,700	2,016	13,794
	boxes	19	15	1,788	9,513	1,394	2,873	6,478	18,028	924	1,070	8,067
27 271 273 275	Printing and publishing Newspapers Books Commercial printing	375 144 10 164	68 20 2 35	8,347 3,016 485 4,349	49,695 17,313 1,783 25,867	6,281 1,512 397 3,608	12,209 3,028 794 6,896	33,035 7,944 1,356 20,533	77,923 29,423 2,479 37,067	5,443 1,022 604 3,344	7,982 2,935 390 4,008	61,572 23,856 1,913 30,628
28 281 285	Chemicals and allied products Basic chemicals Paints and allied products	107 24 23	52 18 13	11,313 4,885 1,458	81,893 34,346 10,467	7,524 3,257 800	15,496 6,727 1,754	50,046 21,409 4,772	272,614 124,069 32,807	50,548 32,993 3,078	9,794 4,268 1,530	203,248 87,649 24,380
29	Petroleum and coal products	20	4	895	6,289	594	1,159	3,936	29,523	3,857	1,060	25,756
30	Rubber and plastics products,											
307	Plastics products, n.e.c	17	7	879	3,806	718	1,504	2,755	8,276	929	677	4,931
31	Leather and leather products	17	11	2,695	9,241	2,538	4,932	8,398	18,048	518	2,282	13,335
32 325 327	Stone, clay and glass products Structural clay products Concrete and plaster products.	237 19 174	52 16 21	6,390 1,374 1,952	32,490 6,802 8,637	5,064 1,220 1,308	10,519 2,491 2,717	23,362 5,650 4,909	68,843 11,525 19,562	7,806 1,477 1,995	5,443 1,449 1,477	47,081 9,603 11,416
329	Nonmetallic mineral products	12	4	840	5,466	631	1,335	3,712	10,730	2,111	958	8,902
33 331	Primary metal industries Steel rolling and finishing	32 9	24	9,267 7,493	64,508 53,718	7,690 6,351	15,273 12,568	50,479 43,258	132,114 113,642	(D)	8,087 6,273	98,437 81,377
34 342 344	Fabricated metal products Cutlery, hand tools, hardware. Structural metal products	199 14 100	94 6 38	12,385 591 2,928	71,604 3,437 15,496	9,506 392 2,082	19,326 759 4,327	50,242 1,896 10,020	141,734 6,788 21,041	13,892 (Z) 6,967	12,263 464 3,222	106,419 5,129 27,442
346 348	Metal stampings Fabricated wire products,	15	13	1,273 699	7,333	1,015	2,047	5,006	12,045	594	1,432 351	9,234
349	n.e.c	27	18		3,555 23,597		1,132	2,059 17,293	9,970 55,366	(Z) 4,150	2,627	2,182
35	n.e.c	207	62	3,870 16,481		3,032 12,429	6,179	72,248	229,562	12,334	12,680	132,629
353	Construction and like	24	10	1,306	108,686 7.706	905	1,854	4,732	13,999	(Z)	919	7,330
354	Metalworking machinery	34	10	757	4,440	631	1,388	3,535	7,236	(z)	555	5,516
356 358	General industrial machinery Service industry machines	23 13	7	1,758 2,364	11,557 14,823	1,485 1,855	3,044 3,749	8,849 1 0,205	31,249 38,235	2,325 643	1,248 1,784	19,937 18,120
359	Miscellaneous machinery	69	7	1,736	7,995	1,502	2,918	6,525	17,899	751	1,643	14,288
36	Electrical machinery	61	39	21,361	120,396	17,931	35,346	89,215	351,803	10,086	17,132	238,268
37	Transportation equipment	39	22	5,559	3 9,323	4,472	10,331	29,479	206,893	4,763	4,594	71,593
39 398	Miscellaneous manufacturing	86	16	1,756	8,250	1,443	2,929	5,913	15,379	862	1,442	10,120
399 190	Miscellaneous manufactures	55	10	706	3,029	594	1,201	2,255	5,526	(Z)	660	3,914
	Administrative and auxiliary3	-	-	5,492	42,071	-	-	-	-	-	4,489	-

⁻ Represents zero. n.e.c. Not elsewhere classified. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand.

*Includes expenditures for plants under construction but not in operation.

*The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

*In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

Table 4. --GENERAL STATISTICS FOR THE STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

(See text for explanation of column captions)

						196	3				1958		
Code	Industry group	Establishments, number		All employees		Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by	
5545		Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures,	ees, number	manufac- ture	
_			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
			LOUISVILLE SMSA (Consists of Jefferson County, Ky., and Clark and Floyd Counties, Ind.)										
	All industries, total ²	873	403	88,441	546,161	65,220	132,142	361,686	1,553,121	72,898	86,653	1,161,445	
20	Food and kindred products	131	74	12,041	70,659	7,788	16,079	42,385	215,516	10,089	14,003	195,140	
202	Dairies	24	15	1,232	6,616	357	762	1,850	11,740	620	1,982	16,369	
203 204	Canned and frozen foods Grain mill products	10	3 6	427 934	2,064 5,100	292 770	601	966 4,017	7,412	(Z) 1,030	917 694	11,970 10,545	
205	Bakery products	24	15	1,863	9,809	1,136	1,640 2,302	5,388	28,266 16,378	(z)	1,850	14,104	
208	Beverages	24	21	4,465	26,823	3,113	6,047	17,678	111,999	3,335	5,215	110,815	
209	Miscellaneous foods and			, , , ,	,	, , , , , , , , , , , , , , , , , , , ,			,	-,	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	kindred products	26	9	1,361	7,934	817	1,778	3,982	21,932	973	1,213	12,823	
21	Tobacco manufactures	7	7	7,619	39,688	6,947	14,135	35,145	248,533	(D)	8,013	223,215	
22	Textile mill products	5	3	431	1,642	385	745	1,261	3,054	(Z)	573	2,910	
23	Apparel and related products	24	11	2,501	9,317	2,247	4,255	6,995	15,187	(Z)	2,318	8,478	
239	Fabricated textiles, n.e.c	12	2	380	1,321	329	636	1,023	2,258	(Z)	360	1,867	
24	Lumber and wood products	69	34	3,732	18,052	3,195	6,605	13,443	27,773	924	4,477	29,327	
243	Millwork and related products.	36	18	2,124	10,828	1,791	3,890	7,665	18,413	649	2,275	15,370	
244	Wooden containers	7	6	702	3,384	623	1,128	2,746	4,405	(Z)	1,152	6,098	
25	Furniture and fixtures	51	24	3,519	16,504	3,085	6,304	13,123	27,213	1,616	3,016	19,557	
251	Household furniture	38	21	3,368	15,902	2,963	6,064	12,665	26,133	1,572	2,904	18,902	
26	Paper and allied products	24	16	1,530	8,188	1,220	2,529	5,334	14,515	(Z)	1,104	7,608	
27	Printing and publishing	141	39	6,010	37,106	4,442	8,522	25,214	54,409	4,206	5,659	44,598	
275	Commercial printing	87	27	3,729	22,940	3,095	5,853	18,156	33,048	3,077	3,538	27,551	
28	Chemicals and allied products	64	34	8,531	61,943	5,784	11,741	38,468	223,958	18,042	8,229	185,237	
281	Basic chemicals	13	8	1,302	7,950	879	1,855	5,174	23,719	2,253	997	19,425	
287	Agricultural chemicals	9	7	387	1,728	285	562	1,153	4,467	(z)	466	3,417	
32	Stone, clay and glass products	49	19	2,359	14,034	1,704	3,450	9,233	37,156	3,529	2,465	27,115	
327	Concrete and plaster products.	32	11	635	3,532	351	711	1,663	6,718	(Z)	487	4,699	
34	Fabricated metal products	92	57	8,936	54,759	6,756	13,560	38,592	108,446	11,593	9,969	87,599	
344	Structural metal products	42	22	1,406	7,824	973	2,032	4,895	8,483	6,454	1,893	15,056	
346	Metal stampings	7	6	870	5,282	666	1,193	3,453	8,759	(Z)	957	6,261	
349	Fabricated metal products,								,				
	n.e.c	18	3	3,429	21,657	2,625	5 ,33 9	15,676	52,520	3,402	2,369	29,172	
35 353	Machinery, except electrical	99	42	9,966	63,159	7,941	15,307	46,406	118,434	3,288	7,423	74,113	
303	Construction and like equipment	15	8	1,222	7,329	841	1,725	4,464	13,453	(z)	799	6,413	
355	Special industry machinery	20	ıı	779	5,192	508	1,017	3,010	10,850	(z)	361	3,693	
358	Service industry machines	11	5	2,127	13,422	1,683	3,366	9,470	35,366	586	1,655	15,464	
39	Miscellaneous manufacturing,						0.00			153			
	including ordnance3	36	6	1,685	8,868	1,366	2,787	6,784	12,570	(Z)	1,097	8,828	
	Administrative and auxiliary4	-	4,205	33,702	-	-	-	-	-	-	3,464	-	

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

POSTAGE AND FEES PAID U.S. DEPARTMENT OF COMMERCE

OFFICIAL BUSINESS

⁻ Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand.

*Includes expenditures for plants under construction but not in operation.

*The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

*Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

*In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garges, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area. totals for the area.







preliminary report

Area series

LOUISIANA

Value added by manufacturing in 1963 in the State of Louisiana amounted to \$1,918 million, an increase of 16 percent from 1962 and 34 percent from 1958. Of this total, \$430 million was contributed by the chemicals and allied products industries and \$375 million by the food and kindred products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

Year	Establis num	hments, ber	All employees ¹		Pr	oduction worke	rs	Value	Capital	Index of change (1958 = 100)	
	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)			Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963. 1962 ³ 1961 ³ 1960 ⁹ 1959 ³	3,193 (NA) (NA) (NA) (NA) 3,125	953 (NA) (NA) (NA) (NA) 935	139,852 130,371 129,037 133,311 135,421 136,944	770,997 677,240 650,948 562,918 646,501 621,397	104,719 93,412 96,973 100,393 103,615 103,519	215,851 202,776 199,584 205,189 212,130 205,887	526,395 461,150 442,210 441,460 440,333 426,345	1,917,824 1,647,368 1,592,046 1,573,823 1,566,670 1,429,580	180,313 147,245 165,570 138,877 140,063 173,383	102 95 94 97 99 100	134 115 111 110 109 100

AMA) Not available.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

August 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary BUREAU OF THE CENSUS,



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in

EXPLANATION OF TERMS

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>—This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues,

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more popula-tion) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

LOUISIANA

Caple 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND PARISHES: 1960 AND 1958

					196	3				19	58
State, standara metropolitan	Establi num	shments, ber	All empl	loyees ²	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
statistical areas, and parishes ¹	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ³ (\$1,000)	ees, number ²	manufac- ture (\$1,000)
LOUISIANA, TOTAL	3,193	953	139,852	770,997	14,719	215,851	526,395	1,917,824	180,313	136,944	1,429,580
STANDARD METROPOLITAN STATISTICAL AREAS											
Eaton Rouge ⁴ Lafayette ² Lake Charles ⁵ Monroe ⁷ New Orleans ⁸ Shreveport ⁹	165 72 94 129 904 289	67 20 34 32 304 90	15,390 1,792 7,861 5,744 48,961 9,163	115,141 8,148 53,486 30,553 282,572 45,812	9,695 1,158 5,224 4,263 36,389 6,589	19,689 2,411 10,747 8,815 74,778 13,659	66,208 4,198 33,140 20,637 193,041 30,965	357,333 15,568 151,710 65,924 627,018 92,748	27,036 749 19,693 6,507 31,030 5,388	19,035 1,675 7,901 5,971 46,922 9,112	298,249 12,531 121,782 54,706 474,762 87,065
PARISHES ¹ Acadia	45	13	731	2,747	561.	1,222	1,878	6,358	(Z)	972	9,261
Allen. Ascension. Assumption. Avoyelles.	20 31 16 26	14	1,658 1,416 794 450	7,247 8,313 3,751 1,629	1,338 1,059 580 411	2,902 2,228 1,200 820	5,904 5,240 2,850 1,422	13,941 44,357 17,462 3,694	1,676 15,040 568 (Z)	1,796 633 808 477	15,358 3,186 5,386 3,115
Beauregard	36 27	3 5	703 800	2,601 2,606	597 739	1,236 1,342	1,950 2,272	3,355 5,346	(Z) 849	769 742	4,705 3,464
Bienville. Bossier. Caddo. Calcasieu.	225 94	12 78 34	1,008 8,155 7,861	3,794 42,018 53,486	832 5,757 5,224	1,660 11,999 10,747	2,794 28,171 33,140	8,390 84,358 151,710	552 4,836 19,693	1,485 7,627 7,901	18,216 68,849 121,782
Claiborne. Concordía. De Soto. East Baton Rouge.	27 12 26 168	4 5 8 67	544 287 1,077 15,390	1,565 916 4,595 115,141	436 241 951 9,695	847 497 2,020 19,689	1,153 689 3,579 66,208	2,749 1,521 8,207 357,333	(Z) (Z) (Z) 27,036	305 205 1,098 19,035 r255	1,860 966 7,594 298,249 ¹³ ,303
Evangeline	17	3	250 365	1,131	196 314	420 603	805	4,366 1,746	(z)	r ₁₄₁	r _{1,784}
Iberia Iberville Jeffersom Lafayette	54 30 197 72	22 8 74 20	1,682 1,102 12,426 1,792	6,586 6,874 72,666 8,148	1,197 772 9,716 1,158	2,732 1,652 21,355 2,411	4,085 4,255 54,467 4,198	17,088 39,809 144,086 15,568	1,625 (D) 11,945 749	1,320 944 11,929 1,675	10,411 9,164 122,884 12,531
La Fourche. La Salle. Lincoln. Livingston. Madison.	36 48	16 6 7 5	1,666 629 564 375	7,675 2,017 1,899 985	1,347 566 439 326	3,074 1,274 854 652	5,987 1,814 1,255 831	21,195 4,033 3,756 1,559	1,462 (Z) (Z) (Z)	1,301 797 590 455	10,029 4,236 2,346 1,736
Madison Natchitoches	10	2	428 262	1,571 776	357 178	868 393	1,263 494	2,067	(Z)	531 274	2,361 937
Orleans. Cuachita. Plaquemines. Pointe Coupee.	638 129 20 19	210 32 8 5	31,134 5,744 723 296	175,656 30,553 3,661 849	22,169 4,263 575 249	44,286 8,815 1,216 536	111,994 20,637 2,585 710	1,335 372,121 65,924 15,390 1,926	12,837 6,507 1,942 (Z)	29,516 5,971 791 397	246,585 54,706 9,343 1,364
Rapides. Sabine. St. Bernard. St. James. St. Landry.	24	32 5 9 7	3,451 642 4,153 1,316 820	13,516 1,792 28,319 9,033 2,971	2,612 571 3,390 1,082 650	5,703 1,071 6,768 2,528 1,316	9,445 1,550 21,758 6,849 2,139	20,303 2,564 99,857 23,753 8,515	2,114 790 5,472 2,332 540	3,829 709 4,106 871 825	19,042 2,627 97,445 7,174 4,046
St. Martin. St. Mary St. Tammany. Tangipahoa. Terrebonne	19 60 45 63 64	6 28 11 27 21	429 2,030 1,248 2,119 1,795	1,255 9,124 5,931 6,079 7,353	336 1,688 1,114 1,776 1,516	662 3,786 2,369 3,428 2,889	923 7,035 4,822 4,722 5,774	3,860 30,939 10,954 14,632 14,898	1,005 1,685 776 1,067	320 r1,393 r1,371 r1,882 1,340	1,275 19,610 17,848 18,617 9,116
Union. Vermilion. Webster West Feliciana. Winn.	41 35 71 10 46	7 9 16 5	322 784 5,722 1,147 1,016	377 3,274 29,730 4,840 3,909	286 543 4,809 1,088 921	589 1,197 9,733 2,017 2,091	761 1,703 23,640 4,170 3,410	1,864 7,097 61,121 20,166 7,100	(Z) (Z) 3,261 1,246 871	384 642 3,715 481 802	1,562 2,947 46,828 2,497 4,609

⁽²⁾ Less than \$500 thousand. Revised.

1-Some parishes were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller parishes. Additional detail will appear in the final report for this State.

2-Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

3-Includes expenditures for both plants in operation and for plants under construction but not in operation.

4-The Baton Rouge Standard Metropolitan Statistical Area is coextensive with East Baton Rouge Parish, La.

5-The Lake Charles Standard Metropolitan Statistical Area is coextensive with Calcasieu Parish, La.

5-The Mornore Standard Metropolitan Statistical Area is coextensive with Ouachita Parish, La.

5-The New Orleans Standard Metropolitan Statistical Area consists of Jefferson, Orleans, St. Bernard and St. Tammany Parishes, La.

9-The Shreveport Standard Metropolitan Statistical Area consists of Bossier and Caddo Farishes, La.

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

_				(See text	for explana	tion of col	umn caption	s)				
						196	i3				19	58
Code	Industry group	Establi num	1	All emp	loyees	Pro	oduction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new 1 (\$1,000)	ees, number	manufac- ture (\$1,000)
	All industries, total ²	3,193	953	139,852	770,997	104,719	215,851	526,395	1,917,824	180,313	136,944	1,429,580
20 201 202 203 206 207 208 209	Food and kindred products. Meat products. Dairies. Canned and frozen foods. Sugar Candy and related products. Beverages. Miscellaneous foods and kindred products.	690 96 77 91 52 11 88	315 24 36 49 49 4 47	29,519 2,434 2,772 4,594 5,543 381 4,355	130,607 8,857 13,763 11,832 31,660 1,194 21,386	19,698 1,933 1,028 3,929 4,685 313 2,170	41,445 3,766 2,364 6,263 11,178 629 4,511 5,343	76,376 5,814 4,455 8,310 25,477 721 10,436	374,536 21,878 36,886 33,814 94,108 1,838 58,719 70,298	29,273 785 1,717 1,229 10,095 (Z) 8,067	30,316 2,367 3,114 3,677 6,247 368 4,660	276,700 16,341 26,956 16,377 57,370 2,155 56,280 46,207
23 232 239	Apparel and related products Men's and boys' furnishings Fabricated textiles, n.e.c	68 20 25	37 17 10	5,821 3,155 873	17,175 8,312 2,971	5,105 2,839 760	9,183 5,095 1,426	12,914 6,664 2,203	32,876 17,279 5,576	(z) (z) (z) (z)	5,534 2,623 1,041	23,577 12,115 3,869
24 243	Lumber and wood products Millwork and related products	822 61	157 22	14,965 1,394	46,469 4,973	13,284 1,205	26,961 2,378	39,504 3,867	75,916 8,166	9 ,15 7 704	17,080 1,746	67,839 8,262
25 251	Furniture and fixtures Household furniture	74 50	17 14	1,248 1,011	4,259 3,441	1,068 890	2,142 1,803	3,304 2,715	8,406 7,109	(Z) (Z)	1,399 1,136	7,482 5,873
26 264 265	Paper and allied products Paper and paperboard products Paperboard containers and	50 18	41 15	15,485 2,824	91,928 14,380	12,697 2,468	25,991 4,961	73,557 11,791	196,487 22,613	26,241 1,712	16,871 2,654	185,595 25,176
	boxes	18	13	2,234	12,769	1,822	3,855	9,188	20,600	1,097	2,601	16,204
27 271 275	Printing and publishing Newspapers Commercial printing	369 106 178	52 21 23	5,370 3,263 1,609	26,711 16,160 8,046	3,356 1,831 1,211	6,634 3,523 2,470	16,906 9,391 5,842	56,255 37,646 12,960	1,771 888 725	5,276 3,217 1,583	47,726 32,665 10,849
28 281 282 287 289	Chemicals and allied products. Basic chemicals	182 63 9 23	68 37 7 4	15,695 10,931 2,159 439	117,518 86,997 16,262 1,936	11,135 7,612 1,567 318	23,218 15,848 3,241 637	77,284 56,538 10,992 1,139	429,608 309,159 71,819 6,068	67,905 54,594 10,450 1,039	16,240 11,611 1,702 503	310,264 231,089 36,778 3,161
	products	33	8	1,060	6,719	858	1,918	5,144	29,696	1,292	1,143	23,556
29 291 295 299	Petroleum and coal products Petroleum refining Paving and roofing materials. Petroleum and coal products.	47 23 18	27 17 7	11,105 10,026 690	87,525 81,492 3,491	6,868 6,027 564	13,537 11,762 1,153	48,654 44,285 2,701	272,455 258,043 7,638	27,573 27,028 (Z)	14,287 13,123 769	201,867 190,981 6,293
2,,,	n.e.c	6	3	389	2,542	277	622	1,668	6,774	(Z)	395	4,593
32 327 329	Stone, clay and glass products. Concrete and plaster products Nonmetallic mineral products.	201 161 15	6 <u>1</u> 38 9	6,563 2,875 1,114	35,484 13,005 6,401	5,158 2,083 915	10,876 4,570 1,898	26,539 8,713 4,990	90,733 34,736 18,249	4,860 3,090 729	6,605 2,772 1,329	70,532 28,618 13,483
33	Primary metal industries	23	13	3,877	25,229	3,249	6,613	19,551	85,966	3,257	3,550	84,460
34 344 349	Fabricated metal products Structural metal products Fabricated metal products,	191 144	55 38	7,243 4,075	41,599 22,656	5,652 3,067	11,910 6,508	30,327 15,557	77,674 43,167	4,153 2,040	5,892 3,705	52,491 26,868
	n.e.c	15	8	1,145	6,214	832	1,751	4,372	13,114	(Z)	629	7,175
35 352 355 358 359	Machinery, except electrical Farm machinery and equipment. Special industry machinery Service industry machines Miscellaneous machinery	200 11 13 16 113	44 4 7 3 13	3,844 515 594 256 1,088	20,857 2,407 2,995 1,325 6,016	2,916 337 474 182 842	6,208 799 997 409 1,766	14,655 1,557 2,121 834 4,553	37,621 4,266 6,570 3,094 9,793	1,776 (Z) (Z) (Z) 522	3,082 305 394 142 977	25,228 2,123 3,622 1,239 7,372
36	Electrical machinery	32	4	264	1,195	204	412	788	2,443	(Z)	158	1,199
37 371 373	Transportation equipment Motor vehicles and equipment. Ship and boat building	114 16 91	36 6 27	11,335 548 8,046	77,994 2,748 49,513	10,008 444 7,058	21,978 952 15,734	67,672 1,936 42,355	114,072 4,298 71,220	2,964 (Z) 2,479	6,987 458 6,465	49,437 4,490 44,831
38	Instruments and related products	18	5	481	2,358	298	632	1,188	4,984	(Z)	194	1,665
39	Miscellaneous manufacturing, including ordnance ³	84	11	5,440	34,790	3,344	6,789	14,917	47,127	(Z)	1,484	11,271
	Administrative and auxiliary4	-	-	796	6,330	-	-	-	-	-	567	

Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

LOUISIANA

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 195

_						196	3				19	58
		Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All	Value
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new 1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
				l.	(See f	ootnotes at	NEW ORLEAN		A description	n)		
	All industries, total ²	904	304	48,961	282,572	36,389	74,778	193,041	627,018	31,030	r _{46,922}	r474,762
20 201 202 203 205 208 209	Food and kindred products. Meat products. Dairies. Canned and frozen foods. Bakery products. Beverages Miscellaneous foods and	192 8 27 31 35 25	87 4 8 15 17 15	11,122 650 933 1,654 1,631 2,740	53,503 2,634 5,087 4,894 6,566 15,380	6,900 457 356 1,307 871 1,585	13,733 902 850 1,932 1,786 3,279	29,495 1,361 1,635 2,876 3,147 8,893	159,181 4,390 12,512 15,031 12,803 45,587	12,521 (Z) 655 (Z) 603 7,026	12,252 756 1,140 1,563 2,148 2,376	127,764 5,505 11,248 7,149 12,863 31,533
23 232 239	kindred products Apparel and related products Men's and boys' furnishings Fabricated textiles, n.e.c	50 47 10 18	21 25 8 9	2,135 4,315 1,903 831	10,385 13,342 5,230 2,827	1,297 3,678 1,637 719	2,747 6,652 2,989 1,344	5,533 9,408 3,761 2,062	50,213 26,464 12,158 5,376	2,072 (Z) (Z) (Z)	2,154 4,443 1,850 917	35,214 20,207 9,613 3,699
24 243	Lumber and wood products Millwork and related products.	52 22	11 é	790 3 79	3,143 1,586	647 306	1,340 610	2,357 1,183	4,556 3,372	(Z) (Z)	1,509	7,435 2,308
25 251	Furniture and fixtures Household furniture	33 20	9 7	501 340	1,691 1,152	406 290	767 554	1,228 853	2,740 1,860	(Z) (Z)	694 564	3,463 2,661
26 265	Paper and allied products Paperboard containers and boxes.	19 11	13	2,164	11,444 2,858	1,797 481	3,747 997	8,916 1,966	21,407 3,471	959 (Z)	3,447 756	37,239 4,849
27 275	Printing and publishing Commercial printing	156 92	25 11	2,285 824	12,656	1,410 653	2,779 1,329	7,747 3,316	28,107 7,139	830 519	2,365 774	23,743 5,167
28 281	Chemicals and allied products Basic chemicals	62 17	14 7	1,467 810	9,120 5,974	906 503	1,839 1,054	4,985 3,432	28,760 20,216	4,316 (D)	2,039 1,273	23,670 15,756
29	Petroleum and coal products	14	10	1,213	7,807	909	1,919	5,561	21,505	1,588	1,184	12,265
32 327 329	Stone, clay and glass products Concrete and plaster products. Nonmetallic mineral products	54 32 10	2 <i>2</i> 14 9	3,441 1,117 1,088	19,359 5,918 6,279	2,783 878 895	5,978 2,012 1,858	14,539 4,302 4,903	53,232 16,922 17,638	2,177 1,137 696	3,366 1,018 1,206	38,683 14,172 12,573
34 344 349	Fabricated metal products Structural metal products Fabricated metal products,	8t 59	30 16	3,785 1,405	23,501 7,589	3,074 1,060	6,431 2,204	18,024 5,381	44,934 16,541	2,307 (Z)	3,270 1,321	34,171 10,024
	n.e.c	9	6	587	3,956	463	985	2,842	8,356	(z)	568	6,790
35 359	Machinery, except electrical Miscellaneous machinery	49 24	12 4	965 420	5,873 2,695	71.2 32.5	1,463 671	3,950 1,947	9,678 4,012	(Z)	962 447	7,751 3,653
37 373	Transportation equipment Ship and boat building	43 35	20 16	9,839 7,093	71,096 45,256	8,727 6,227	19,187 13,883	62,309 38,902	102,622 64,051	1,964 1,858	r _{6,129} r _{5,974}	r42,894 r41,941
38	Instruments and related products	13	3	366	1,707	217	474	753	3,709	(Z)	17€	1,564
	Administrative and auxiliary3	-	-	283	2,193	-	_	-	-		271	s than \$500

⁻ Represents zero. n.e.c. Not elsewhere classified. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand. Revised.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliary are included in the totals for the area.

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE







Area series

preliminary report

Value added by manufacturing in 1963 in the State of Maine amounted to \$779 million, an increase of 3 percent from 1962 and 24 percent from 1958. Of this total, \$230 million was contributed by the paper and allied products industries and \$137 million by the leather and leather products industries, the 2 leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. For 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1. - GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments, ber	All emp	oloyees ¹	Pr	oduction worke	rs	Value	Capital	Index of (1958 •	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963. 1962 ³ 1961 ³ 1960 ⁶ 1959 ³	2,509 (NA) (NA) (NA) (NA) 2,733	599 (NA) (NA) (NA) (NA) 579	99,922 101,989 100,362 100,859 100,055 98,262	437,295 431,939 411,316 414,289 395,534 377,186	84,163 86,332 85,006 85,831 85,721 83,670	170,430 174,900 171,167 175,923 172,814 16,222	333,690 331,951 317,760 314,235 301,076 285,216	779,260 758,734 709,126 693,475 655,728 628,325	62,514 48,539 54,140 54,763 41,720 47,257	102 104 102 103 102 100	124 121 113 110 104 100

rRevised.

NA) Not available. "Revised. Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

April 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

Payroll. --This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number.--This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours. --This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture.--This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

					196	3				19	58
Standard metropolitan		shments,	All emp	loyees 2	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
statistical areas and counties 1	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ³ (\$1,000)	ees, number ²	manufac- ture (\$1,000)
MAINE, TOTAL. STANDARD METROPOLITAN STATISTICAL AREAS	2,9		,4 _, 422	~3 ⁻⁷ ,29 ⁻	84,163	170,430	333,690	779,260	62,514	98,262	r _{028,325}
Lewiston-Auburn ⁴ . Fortland ⁵ . COURTIES ¹	186 218	79	12,488 12,553	48,255 65,206	10,709 9,552	20,391 19,772	36,469 44,569	76,011 127,267	3,003 9,738	13,046 12,856	68,730 109,092
Andresseggin, Aroostook, Cumberland, Franklin, Hancook,	222 224 327 137 99	76 39 104 27 15	13,945 4,554 16,266 3,962 1,808	53,475 18,552 77,511 16,070 8,327	12,019 4,014 12,873 3,434 1,568	23,113 8,515 26,006 6,740 3,153	40,716 15,959 55,133 12,823 6,992	83,809 34,254 150,282 24,732 16,495	3,292 5,541 10,417 1,622 1,501	15,090 3,487 15,389 3,460 1,726	77,190 27,341 121,868 18,159 11,109
Kennebec, finox, Lincoln, Oxford, Penobscot	171 92 61 201 27.	-7: 1: 34: c1	9,973 2,356 966 7,425 12,139	44,592 -3,963 -3,596 -35,245 -62,572	8,433 2,032 819 6,303 9,529	17,011 4,004 1,617 13,327 21,224	34,469 7,015 2,774 27,297 44,295	95,214 17,011 6,248 59,846 114,492	5,720 677 (Z) 15,208 6,246	10,584 2,346 926 7,175 11,466	74,116 15,809 5,983 45,359 83,222
Piscataquis. Sagadahoc. Somrest Waldo. Washington. York.	109 25 187 77 123 184	10 11 33 16 26 57	1,891 3,756 5,823 1,925 2,539 10,592	6,679 21,000 22,626 6,768 10,380 40,939	1,699 3,306 5,207 1,673 2,184 9,070	3,489 6,313 10,499 3,295 4,154 17,970	5,445 17,320 18,993 5,414 8,171 30,874	11,631 36,593 36,704 13,486 21,083 57,380	(2) 852 2,340 746 1,528 6,038	2,021 4,269 5,572 1,949 2,681 10,121	10,386 33,200 27,892 11,933 19,766 44,992

⁽Z) Less than \$500 thousand. Revised.

Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and sufficient within the final report for a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The Lewiston-Auburn Standard Metropolitan Statistical Area consists of Auburn and Lewiston Cities and Lisbon Town in Androscoggin County, Maine.

The Portland Standard Metropolitan Statistical Area consists of Fortland, South Portland, and Westbrook Cities and Cape Elizabeth, Cumberland, and Falmouth Corham, Scarborough, and Yarmouth Towns in Cumberland County, Maine.

Table 3,-GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

						196	3		· · · · · · · · · · · · · · · · · · ·		19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
oode	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new1 (\$1,000)	ees,	manufac- ture (\$1,000)
	All industries, total ²	2,509	599	99,922	437,295	84,163	170,430	333,690	779,260	44,514	98,262	F628,325
20 201 202 203 204 205 208 209	Food and kindred products. Meat products Dairies. Cammed and frozen foods. Grain mill products. Bakery products. Beverages. Miscellaneous foods and	342 35 74 90 25 45	123 10 17 57 5 15	11,362 1,754 1,380 4,891 289 2,003 552	43,874 6,369 6,425 15,037 1,513 9,708 2,391	8,632 1,518 652 4,392 217 1,259 272	17,119 3,052 1,421 8,192 547 2,573 599	28,488 4,844 2,510 12,433 1,072 5,349 970	109,333 15,517 16,623 35,402 6,734 23,722 6,285	5,834 640 775 2,263 920 (Z)	11,462 1,715 1,473 4,794 314 2,032 516	86,209 11,149 14,549 28,189 7,428 16,986 4,051
	kindred products	24	8	467	2,343	299	684	1,236	4,873	(Z)	574	3,645
22 222 223	Textile mill products Weaving mills, synthetics Weaving, finishing mills,	61 6	47 5	12,053 451	46,895 1,811	10,894 400	22,746 801	39,808 1,334	79,632 3,136	3,516 (Z)	13,575 483	65,697 2,887
228	Yarn and thread mills	22 10	19 8	4 , 965 962	19,796 3,167	4,475 911	9,554 1,771	16,418 2,870	36,380 6,834	728 (Z)	5,091 941	28,246 4,763
23	Apparel and related products	44	27	3,594	10,868	3,320	5,868	9,013	18,107	789	3,072	15,137
24 241 242 243 249	Lumber and wood products Logging camps and contractors Sawmills and planing mills Millwork and related products Miscellaneous wood products	1,312 884 282 26 99	127 38 39 5 43	12,443 4,543 2,715 664 4,301	43,127 16,824 8,427 2,778 14,407	11,285 4,062 2,453 602 3,962	23,446 8,669 4,943 1,433 7,935	37,972 15,011 7,442 2,383 12,476	60,951 24,301 12,334 4,163 19,096	7,595 3,648 2,100 (Z) 1,463	12,997 4,747 2,589 832 4,525	°49,684 16,217 °9,966 4,526 18,015
25 251	Furniture and fixtures Household furniture	33 23	7 5	662 466	2,814 1,843	538 386	1,203 877	1,987 1,340	4,821 3,162	(Z) (Z)	650 432	4,140 2,537
26 262 264 265	Paper and allied products Paper mills, except building. Paper and paperboard products Paperboard containers and	50 17 13	35 15 8	16,537 13,534 1,716	107,584 91,030 10,120	13,326 10,864 1,374	30,269 25,037 2,941	82,649 70,059 7,566	229,754 188,143 30,333	32,990 30,362 1,710	17,019 14,187 1,434	179,121 154,003 13,770
27	Printing and publishing	13 148	19	2,337	1,723 11,127	323 1,459	660 2,741	1,294 6,324	3,057 19,410	(Z) 743	342 2.151	2,236 15,646
271 275	Newspapers	53 72	11 7	1,600 527	7,959 2,200	908 394	1,666	4,163 1,483	13,648	(z) (z)	1,512 481	11,554
28	Chemicals and allied products	29	7	585	2,662	461	950	1,768	6,446	589	637	5,558
30 307	Rubber and plastics products, n.e.c	22 13	9	1,507 894	6,181 4,123	1,320 748	2,682 1,558	4,356 2,844	9,117 6,631	4,123 (D)	1,146 1,017	8,434 7,723
31 311 314	Leather and leather products Leather tanning and finishing Footwear, except rubber	127 14 78	100 12 66	24,873 2,076 21,338	92,035 9,305 77,725	22,456 1,814 19,339	42,074 3,728 35,902	73,872 7,555 62,548	136,612 14,977 113,204	1,899 (Z) 1,266	21,519 1,375 19,233	101,125 8,394 88,388
32 327	Stone, clay and glass products. Concrete and plaster products	58 3 5	20 12	1,194 584	5,657 2,656	928 407	1,941 901	3,923 1,621	11,201 5,550	888 661	1,049 465	10,083
34 344	Fabricated metal products Structural metal products	55 27	16 7	1,472 520	7,997 2,930	1,093 366	2 ,2 95 814	5,902 1,834	15,259 6,114	730 (Z)	1,578 542	14,129 5,141
35 359	Machinery, except electrical Miscellaneous machinery	74 27	18 4	1,815 288	9,107 1,343	1,365 235	2,786 458	6,059 975	13,320 1,743	(Z) (Z)	2,862 332	13,531 2,197
36	Electrical machinery	13	8	2,036	8,028	1,655	3,395	5,616	9,807	507	862	5,528
37	Transportation equipment	76	17	4,358	24,353	3,648	7,263	19,482	40,212	1,018	5,324	42,901
39 394	Miscellaneous manufacturing, including ordnance ³ Toys and sporting goods	47 17	12 5	2,008 466	8,171 1,629	1,488 394	3,056 786	5,205 1,228	11,974 2,739	(Z) (Z)	1,262 701	7,111 3,167
	Administrative and auxiliary4	-	-	698	4,867	-	-	-	-	-	572	-

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

(This State contained no standard metropolitan statistical areas with 40,000 or more manufacturing employees)

⁻Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand. Revised.

¹Includes expenditures for plants under construction but not in operation.

²The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State:

²Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

¹In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair ships, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE







Area series

MARYLAND

preliminary report

Value added by manufacturing in 1963 in the State of Maryland amounted to \$2,978 million, an increase of 6 percent from 1962 and 25 percent from 1958. Of this total, \$516 million was contributed by primary metal industries and \$402 million by the transportation equipment industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1 .-- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	All emp	loyees ¹	Pr	roduction works	ers	Value	Capital	Index of	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963. 1962 ⁹ . 1961 ⁸ . 1960 ⁸ . 1959 ⁹ .	3,451 (MA) (MA) (MA) (MA) (MA) 3,435	1,366 (NA) (NA) (NA) (NA) (NA)	263,709 252,170 254,261 257,137 257,003 259,078	1,550,013 1,419,523 1,375,485 1,343,822 1,301,736 1,255,269	188,867 162,873 182,921 187,595 188,453 190,472	377,101 355,710 352,806 368,656 369,979 368,548	960,075 887,807 857,028 854,340 834,102 813,332	2,978,013 2,821,515 2,698,232 2,694,782 2,640,825 2,379,414	174,087 223,930 195,507 179,113 119,394 128,085	102 97 98 99 99	125 119 113 113 111 100

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited real inhibit to since they either heavy establishments are really approximated at the consistent with related data. limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

April 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number.-This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours. -- This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

<u>Value added by manufacture.</u>--This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

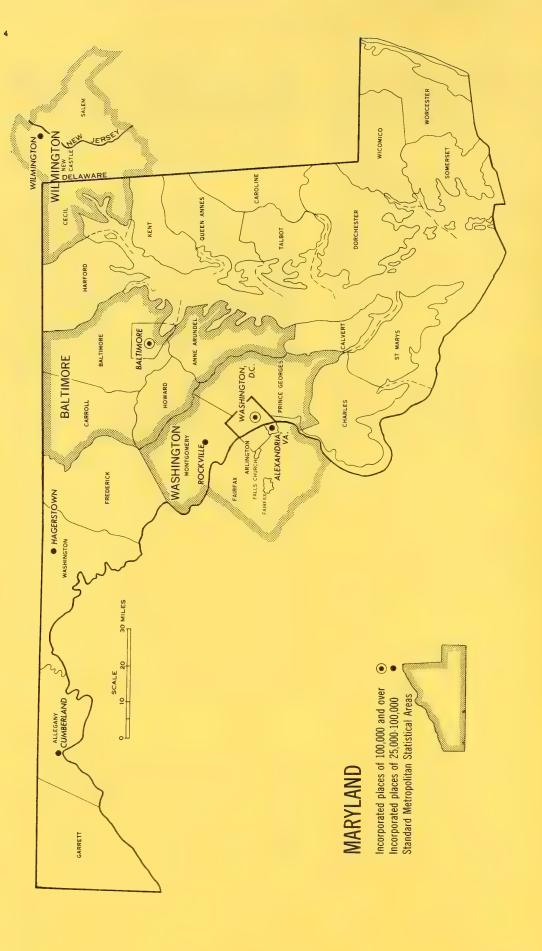


Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1943 AND 1952

					196	z				19	58
State, standard metropolitan statistical areas,	Establi num	shments, ber	All emp	loyees ²		duction work	kers	Value	Capital	All	Value
and counties 1	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	added by manufac- ture (\$1,000)	expend- itures, new 3	employ- ees, number ²	added by manufac- ture (\$1,000)
		ees		(\$1,000)		(1,000)	(\$1,000)		(\$1,000)		(\$1,000)
MARYLAND, TOTAL	3,451	1,366	263,709	1,550,013	188,867	377,101	960,075	2,978,013	174,087	259,078	2,379,414
STANDARD METROPOLITAN STATISTICAL AREAS											
Baltimore ⁴ . Washington, D.CMaryland-Virginia ⁵ . Portion in Maryland. Portion in Washington, D.C. Portion in Virginia. Wilmington, Delaware-New Jersey-	2,027	840	191,085	1,186,798	134,086	267,686	729,798	2,341,934	124,041	197,814	1,963,553
	1,200	354	49,899	322,796	27,874	55,807	154,097	524,768	31,577	35,020	312,152
	417	125	15,908	106,265	8,917	19,005	48,878	154,643	9,250	9,190	80,514
	557	154	22,262	148,025	11,403	21,643	65,028	260,511	13,491	21,334	198,089
	226	75	11,729	68,506	7,554	15,159	40,191	109,614	8,836	4,496	33,549
Maryland Fortion in Delaware. Portion in New Jersey Portion in Maryland.	460	192	60,722	476,235	31,098	62,554	182,492	708,126	52,490	58,709	470,820
	338	144	46,444	376,095	21,401	44,126	126,450	487,920	29,741	46,025	312,301
	59	23	10,895	82,860	7,245	13,435	45,775	190,013	(D)	10,481	142,933
	63	25	3,383	17,280	2,452	4,993	10,267	30,193	(D)	2,203	15,586
COUNTIES1											
Allegany. Anne Arundel. Baltimore City. Baltimore. Calvert.	79	27	10,216	65,014	7,762	16,603	46,402	120,647	23,546	9,389	94,157
	130	42	15,386	110,188	7,829	16,118	42,450	172,961	7,466	8,321	78,104
	1, 483	624	104,577	609,593	76,121	153,522	396,770	1,315,037	59,066	113,401	1,062,535
	294	125	63,525	431,488	43,989	86,004	267,424	784,267	54,892	70,164	770,604
	18	4	391	1,306	278	529	801	1,727	(Z)	316	1,776
Caroline.	50	22	1,833	5,841	1,625	3,392	4,630	12,500	874	1,853	10,068
Carroll.	79	33	5,598	22,750	4,851	9,343	17,135	53,681	1,618	4,734	42,059
Cecil.	63	25	3,383	17,280	2,452	4,993	10,267	30,193	(D)	2,203	15,586
Charles.	32	10	453	1,508	376	746	1,066	3,274	(Z)	369	1,945
Dorchester.	85	42	3,623	12,262	3,144	5,905	9,231	24,039	2,159	3,548	21,489
Frederick.	74	34	4,507	18,408	3,733	7,139	12,981	46,539	1,845	4,231	27,719
Garrett.	39	4	593	1,924	488	919	1,447	3,204	(Z)	505	1,791
Harford.	72	27	4,672	19,019	3,994	7,578	14,566	37,523	1,162	3,197	24,982
Howard.	41	16	1,999	12,779	1,296	2,699	6,019	15,988	999	1,194	10,251
Kent.	28	9	1,532	4,755	1,399	2,729	3,893	6,326	(Z)	822	3,526
Montgomery. Prince Georges. Queen Annes. St. Marys. Somerset.	218	62	7,322	53,527	3,872	8,245	20,598	62,310	3,632	3,969	33,269
	199	63	8,586	52,738	5,045	10,760	28,280	92,333	5,618	5,221	47,245
	29	13	719	1,940	604	1,071	1,291	5,525	(Z)	514	1,457
	36	5	267	772	217	385	540	1,888	(Z)	234	1,042
	54	23	1,596	3,284	1,370	2,278	2,461	6,519	(Z)	1,656	5,423
Talbot Washington. Wicomico. Worcester.	68	28	2,084	5,997	1,809	3,111	4,713	11,906	703	1,455	6,251
	129	56	12,218	68,778	9,217	19,005	45,493	101,588	3,734	13,459	61,701
	98	46	6,316	21,526	5,358	9,848	15,788	44,895	1,980	5,911	36,044
	53	26	2,313	7,336	2,038	4,179	5,829	23,143	763	2,412	20,390

⁽Z) Less than \$500 thousand.

*Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

*Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

*Includes expenditures for plants under construction but not in operation.

*The Baltimore Standard Metropolitan Statistical Area consists of Baltimore City, Anne Arundel, Baltimore, Carroll, and Howard Counties, Md.

*The Washington Standard Metropolitan Statistical Area consists of the District of Columbia, Alexandria, Fairfax City, Falls Church cities and Arlington and Fairfax Counties, Va., Montgomery and Prince Georges Counties, Md.

*The Wilmington Standard Metropolitan Statistical Area consists of New Castle County, Del., Salem County, N.J. and Cecil County, Md.

1963 CENSUS OF MANUFACTURES

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

						196	3				19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction work	kers	Value	Capital	All	Value
	211111111111111111111111111111111111111	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
	All industries, total ²	3,451	1,366	263,709	1,550,013	188,867	377,101	960,075	2,978,013	174,087	259,078	2,379,414
20 201 202 203 204 207 208 209	Food and kindred products. Meat products. Dairies. Canned and frozen foods. Grain mill products Candy and related products. Beverages. Miscellaneous foods and	592 75 61 186 33 26 72	312 37 38 117 13 7 41	35,248 7,224 4,131 8,997 806 518 6,071	159,854 32,793 22,472 22,751 3,999 1,526 37,745	23,949 5,962 1,419 7,926 477 437 3,288	47,147 11,564 2,961 14,596 1,074 776 6,797	90,371 23,721 6,868 17,495 1,991 1,094 18,495	401,857 58,335 54,058 47,826 15,176 3,719 118,913	15,323 1,618 3,450 3,508 (Z) (Z) 3,161	35,780 6,192 4,513 9,687 979 629 5,890	326,302 43,991 43,701 45,812 19,483 4,470 88,066
	kindred products	59	20	1,672	7,884	1,092	2,233	4,337	30,317	963	1,818	25,760
22 224 225	Textile mill products Narrow fabric mills. Knitting mills.	34 7 6	22 7 5	2,444 464 499	9,135 1,266 1,070	2,198 431 446	4,250 798 692	7,514 1,052 913	18,364 3,340 1,414	592 (Z) (Z)	3,325 404 595	18,929 2,391 2,278
23 231	Apparel and related products Men's and boys' suits and	324	175	22,897	83,446	20,076	36,313	62,045	153,108	2,371	22,107	119,006
232 233 235 236	coats. Men's and boys' furnishings. Women's and misses' outerwear Millinery, hats and caps. Children's outerwear.	73 78 58 13	43 48 45 7 11	7,950 5,079 4,763 522 979	32,500 15,600 16,616 1,696 2,675	6,817 4,571 4,208 447 908	12,318 8,004 7,689 689 1,643	24,363 11,709 12,867 1,103 2,301	62,694 28,325 27,371 2,635 4,084	609 (Z) 1,008 (Z) (Z)	7,080 5,592 4,752 620 795	44,402 26,597 23,892 3,223 2,827
24 241 243 244 249	Lumber and wood products Logging camps and contractors Millwork and related products Wooden containers Miscellaneous wood products.	330 78 56 18 29	60 2 19 4 7	4,588 284 1,331 699 598	16,664 631 6,510 2,217 2,376	3,892 257 1,033 627 544	7,712 477 2,145 1,278 1,083	12,620 568 4,381 1,840 1,902	29,604 1,327 12,987 3,317 3,774	1,967 (Z) 510 (Z) (Z)	5,135 296 1,077 794 706	23,630 1,121 7,168 3,414 4,431
25 251	Furniture and fixtures Household furniture	1 19 79	50 38	5,016 2,782	21,554 11,222	4,152 2,303	8,524 4,683	16,234 8,371	32,783 18,505	2,669 (Z)	4,860 2,224	29,825 12,998
259	Furniture and fixtures,	13	5	1,857	8,243	1,549	3,252	6,495	10,760	2,042	2,190	14,016
26 264	Paper and allied products Paper and paperboard products	74 20	55 15	9,558 887	54,594 4,336	7,769 750	16,823 1,503	39,419 2,969	101,367 9,573	8,569 (Z)	8,938 702	74,850 6,404
265	Paperboard containers and boxes	48	34	5,697	30,720	4,599	9,821	21,581	51,289	3,894	5,477	43,204
27 271 272 273 275 278 279	Printing and publishing Newspapers. Periodicals. Books. Commercial printing. Bookbinding and related work. Printing trades services	491 69 24 31 262 23 53	121 19 3 13 51 12	14,567 4,227 664 1,490 4,804 1,342 729	85,281 25,016 3,845 8,489 28,248 6,185 4,900	9,859 2,154 67 1,145 3,894 1,150 568	19,584 3,908 126 2,405 7,940 2,221 1,189	53,642 13,158 386 5,798 21,406 4,464 3,667	144,875 43,639 7,455 13,908 44,431 8,355 6,957	8,230 2,729 587 948 2,157 539 (Z)	11,943 4,018 230 725 3,963 1,355 539	99,138 32,336 1,960 5,666 31,059 8,300 4,607
28 281 283 284 285 287	Chemicals and allied products. Basic chemicals. Drugs Cleaning and toilet goods. Paints and allied products. Agricultural chemicals.	208 41 23 39 32 33	88 15 9 15 16 21	13,940 3,353 1,201 2,936 1,276 1,556	81,828 20,984 5,303 19,656 7,663 7,821	9,555 2,205 767 2,059 613 1,123	19,559 4,545 1,488 4,208 1,295 2,408	50,125 12,573 2,763 12,310 2,701 5,335	287,102 62,762 21,426 134,156 15,418 13,701	15,332 6,919 610 2,704 592 1,721	12,908 3,534 1,090 1,746 1,180 1,690	192,548 49,471 14,927 61,384 15,449 14,937
29 291	Petroleum and coal products Petroleum refining	34 5	13 5	1,319 504	8,623 3,851	955 353	2,189 678	5,864 2,592	22,253 11,842	3,713 2,219	1,264 606	18,818 9,414
306 307	Rubber and plastics products, n.e.c	50 12 33	32 10 18	10,541 1,827 2,587	53,485 7,703 13,049	8,668 1,540 1,940	17,588 3,078 4,080	39,220 5,750 7,851	87,618 13,159 22,181	12,787 (Z) 6,429	8,392 2,099 1,489	74,000 14,148 11,837
31 314	Leather and leather products Footwear, except rubber	23 12	15 11	2,415 1,847	7,993 5,896	2,120 1,606	3,991 2,929	6,091 4,424	11,842 7,857	(Z) (Z)	2,491 1,936	10,849 8,165
32 325 327	Stone, clay and glass products. Structural clay products Concrete and plaster products	203 16 137	80 12 48	9,505 819 2,992	54,955 4,107 15,569	7,711 700 2,157	16,264 1,453 4,557	41,145 3,152 9,610	124,698 7,005 41,717	20,861 (Z) 5,183	8,486 778 2,409	94,268 5,977 24,430
33 332	Primary metal industries Iron and steel foundries	49 8	29 7	36,029 756	249,511 3,858		55,547 1,423	189,432 3,021	515,518 5,323	45,897 1,369	35,991 771	430,06 2 5,162

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED GROUPS: 1965 AND 1958—Continued

				(Dee text.	tor exprand							
						196	3				19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital	All employ-	Value added by
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ¹ (\$1,000)	ees, number	manufac- ture (\$1,000)
34 341 343	Fabricated metal products Metal cans	284 10	10 8 9	13,569 3,694	82,717 26,962	10,547 3,186	22,050 6,966	59,180 22,317	156,545 44,816	8,380 1,747	14,477 4,269	135,399 38,833
344 346	electric. Structural metal products Metal stampings.	10 154 16	8 57 8	1,144 4,437 1,444	6,746 25,070 8,837	944 3,045 1,169	1,920 6,294 2,369	5,194 14,915 6,742	18,462 42,455 14,979	563 1,289 3,335	1,391 3,867 2,058	14,957 33,453 15,832
347 348	Metal services, n.e.c Fabricated wire products, n.e.c	34 17	6	628	3,604 4,611	478	968 1,304	2,262 2,796	5,394 13,477	(z) (z)	466 1,152	4,023 12,927
349	Fabricated metal products,	23	12	883	4,676	722	1,565	3,370	13,003	(2)	745	11,193
35 353	Machinery, except electrical Construction and like	218	60	11,557	72,557	7,954	16,565	43,857	140,569	6,115	10,600	105,275
354 355	equipment Metalworking machinery Special industry machinery	10 38 33	3 5 17	632 2,922 2,991	5,027 16,253 19,926	251 2,261 1,971	4,389 4,342	1,300 10,984 12,560	10,033 44,494 34,660	971 1,406 1,146	2,628 2,645	4,390 28,653 24,730
356 358 359	General industrial machinery. Service industry machines Miscellaneous machinery	21 17 89	3 8 18	1,060 1,351 2,311	7,007 8,164 14,126	609 871 1,794	1,251 1,735 3,894	3,340 4,093 10,283	9,713 16,140 23,784	520 (Z) 1,560	1,722 1,151 1,439	13,480 13,893 10,121
36 361	Electrical machinery Electric distribution	108	50	26,961	187,760	15,046	30,383	85,601	295,114	8,318	°20,140	^r 185,681
362 366	products Electric industrial apparatus Communication equipment	17 11 29	7 6 20	499 1,087 22,441	2,565 5,441 163,097	368 817 11,942	723 1,601 24,013	1,614 3,464 71,169	3,983 10,945 252,130	(Z) (Z) 6,840	906 778 16,089	4,925 5,842 149,745
367	Electronic components	25	9	1,187	5,943	813	1,644	3,883	10,368	810	377	3,902
37 373	Transportation equipment Ship and boat building	127 85	41 20	31,897 10,274	235,530 65,807	21,037 8,605	43,280 16,199	137,328 52,316	402,367 91,443	10,532 1,384	43,723 12,143	394,831 99,386
38 381	Instruments and related products: Scientific instruments	17	9	987	6,035	665	1,662	3,895	10,083	(Z)	1,489	10,961
39 391 394	Miscellaneous manufacturing, including ordnance ³ Jewelry and silverware Toys and sporting goods	123 8 14	34 5 5	4,122 269 603	22,358 1,347 2,680	3,022 203 507	5,951 401 897	13,145 872 1,763	32,336 1,880 5,254	1,625 (Z) (Z)	°4,134 273 401	^r 29,711 1,516 2,791
398 399	Miscellaneous manufactures ³	78	20	2,633	15,300	1,812	3,649	8,108	20,734	1,149	r _{2,607}	r _{20,520}
190		_	_	5,473	51,250	-	-	-	-	-	2,200	

⁻Represents zero. n.e.c. Not elsewhere classified. (2) Less than \$500 thousand.

1 Includes expenditures for plants under construction but not in operation.

2 The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

3 Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

4 The addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) service or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

1963 CENSUS OF MANUFACTURES

Table 4. —GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

						1%	3				19	58
Code	Industry group		shments,	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
		Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	added by manufac- ture	expend- itures, new1	employ- ees, number	added by manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
			1	(Consists of	Baltimore	City, Anne	BALTIMORE S Arundel, E		arroll, and I	Howard Count	ies, Md.)	
	All industries, total ²	2,027	840	191,085	1,186,798	134,086	267,686	729,798	2,341,934	124,041	197,814	1,963,553
20	Food and kindred products	284	134	20,203	108,504	12,212	24,257	57,427	283,049	8,712	22,616	239,830
201 202	Meat products	49 25	22 19	3,750 2,950	20,689 16,553	2,877 887	5,314 1,876	13,756 4,408	34,523 36,420	850 2,485	4,455 3,366	32,463 16,268
203	Canned and frozen foods	43	19	1,803	6,083	1,477	2,821	4,253	13,468	(Z)	2,331	13,095
205	Bakery products	55	26	4,016	19,559	2,297	4,808	10,043	36,744	986	3,898	28,919
208	Beverages	42	24	4,722	30,250	2,709	5,512	15,946	101,412	2,250	4,790	77,321
209	Miscellaneous foods and kindred products	36	12	1,302	6,322	823	1,667	3,326	25,908	628	1,513	23,104
22	Textile mill products	19	10		6,124	1,317	2,563	4,933	10,370	(Z)		
				1,502							2,302	12,537
23 232	Apparel and related products Men's and boys' furnishings	249 54	124 28	16,008 2,309	63,849 8,361	13,545 1,959	25,022 3,538	45,568 5,480	114,604 14,525	2,061 (Z)	16,010 2,505	95,857 13,618
233	Women's and misses' outerwear	39	28	2,703	10,785	2,253	4,170	7,647	20,822	916	3,375	19,520
236	Children's outerwear	6	4	390	1,131	355	671	946	1,663	(Z)	267	1,037
239	Fabricated textiles, n.e.c	58	13	1,833	8,477	1,579	3,059	5,144	14,030	(Z)	2,218	12,456
24 243	Lumber and wood products Millwork and related products	91 32	26 15	1,610 783	6,558 3,504	1,363 629	2,783 1,322	4,927 2,404	12,827 8,305	719 (Z)	1,918 691	10,597
249	Miscellaneous wood products	17	3	326	1,331	299	590	1,135	1,920	(z)	422	2,578
25	Furniture and fixtures	78	35	3,913	16,885	3,223	6,627	12,661	25,229	2,472	4,072	25,300
251	Household furniture	54	25	1,881	7,390	1,537	3,097	5,403	12,090	(Z)	1,586	9,257
26	Paper and allied products	64	49	6,918	37,068	5,661	11,914	26,319	66,085	4,862	6,680	55,769
27	Printing and publishing	317	84	10,619	63,847	7,289	14,387	30,613	97,320	5,277	9,533	75,187
271	Newspapers	22	8	3,207	19,727	1,555	2,740	10,121	32,228	1,354	3,201	26,617
273 275	Books	22 185	9 41	900 3,709	5,650 21,783	640 3,015	1,360 6,114	3,690 16,531	9,150 33,254	(Z) 1,774	421 3,103	3,987 24,098
279	Commercial printing Printing trades services	40	11	652	4,350	508	1,061	3,305	6,211	(Z)	483	4,157
28	Chemicals and allied products	140	64	9,260	57,090	6,012	12,410	33,105	234,262	11,990	8,745	153,009
281	Basic chemicals	29	10	2,784	18,081	1,841	3,813	10,797	51,796	6,446	3,097	43,332
284	Cleaning and toilet goods	33 23	14 14	2,877	19,239	2,041 533	4,172	12,233	133,266	2,692 539	1,688 1,099	60,547
285 287	Paints and allied products Agricultural chemicals	18	14	1,146 1,196	6,864 6,388	874	1,128	2,328 4,514	13,600	1,335	1,345	14,477
289	Miscellaneous chemical											
	products	16	4	449	2,950	256	528	1,600	8,729	526	490	6,519
29 291	Petroleum and coal products Petroleum refining	19 5	9 5	750 504	5,204 3,851	527 353	1,083 678	3,494 2,592	15,626 11,842	2,738 2,219	857 606	11,235 9,414
30	Rubber and plastics products,	20	07	/ 400	02.000	2 025	g 0/2	15 616	25 50/		0 000	00.766
307	n.e.c Plastics products, n.e.c	32 21	21 13	4,803 2,219	23,086 11,647	3,835 1,614	7,941 3,458	15,516 6,805	37,794 19,015	6,666	3,777 1,286	29,166 10,766
32	Stone, clay and glass products.	87	39	6,026	34,346	4,971	10,474	26,355	75,726	4,667	5,631	64,122
323	Products of purchased glass	10	2	292	1,136	264	509	957	1,910	(Z)	233	1,328
327	Concrete and plaster products	52	22	1,383	7,572	956	2,067	4,441	21,002	1,814	1,273	14,070
33	Primary metal industries	38	24	35,381	246,400	28,230	54,418	186,922	510,689	45,684	35,688	428,446
332	Iron and steel foundries	5	5	571	3,085	502	1,118	2,429	4,129	1,369	557	4,061
34 343	Fabricated metal products Plumbing and heating, except	202	80	10,799	67,588	8,697	18,202	50,327	129,108	6,581	12,202	116,048
343	electric	9	8	1,141	6,730	942	1,916	5,182	18,446	562	1,391	14,957
344	Structural metal products	98	35	2,537	14,860	1,865	3,788	9,368	26,109	632	2,507	22,463
349	Fabricated metal products,	21	11	790	4,143	657	1,428	3,065	11,607	(Z)	663	10,356
25	Machinery, except electrical	159	49	9,285	59,082	6,567	13,660	37,073	118,547	5,598	8,513	85,958
35 355	Special industry machinery	26	15	1,999	13,549	1,408	3,141	9,501	25,625	1,002	1,792	18,037
359	Miscellaneous machinery	65	16	2,145	13,422	1,669	3,141 3,591	9,734	22,455	1,476	1,263	9,221
36	Electrical machinery	54	23	22,099	158,559	11,481	23,014	65,680	245,771	6,487	r17,347	r _{163,931}
366	Communication equipment	10	8	19,782	144,127	9,987	19,893	57,943	220,110	6,081	r _{14,716}	r ₁₃₇ ,971
37	Iransportation equipment	69	26	23,428	178,894	15,400	31,715	104,055	329,108	7,860	34,536	359,566
39	Miscellaneous manufacturing,		0.7	0.000	76.067	2 00/	2.0//	0.511			r	r.,
391	including ordnance ³	77	25 5	2,803	16,367 1,347	1,934 203	3,844	8,744 872	21,892	962 (Z)	r _{2,661} 273	r _{20,482} 1,516
	bewelly and bilverware			207	2,5.77	203	101	012	1,000	(2)	213	1,510
398 399 190	Miscellaneous manufactures ³	49	16	2,041	12,465	1,328	2,672	6,189	15,212	508	r _{2,061}	r _{16.833}
	Administrative and auxiliary4	-	-	3,558	29,211	-	_	-	-		1,910	-
	J					+						

⁻ Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.







Area series

MASSACHUSETTS

preliminary report

Value addedby manufacturing in 1963 in the State of Massachusetts amounted to \$6,365 million, a decrease of 2 percent from 1962 and an increase of 24 percent from 1958. Of this total, \$966 million was contributed by the electrical machinery industries and \$722 million by the nonelectric machinery industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1 .-- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments, ber	All emp	loyees ¹	Pr	roduction worke	rs	Value added by	Capital	Index of (1958 =	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	manufac- ture (\$1,000)	expend- itures new (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	11,170 (MA) (NA) (NA)	(NA) (NA) (NA) (NA) (NA) (NA)	F676,997 F717,770 F715,589 F719,079 F717,376	3,726,571 3,738,033 3,595,820 3,453,65 3,390,877	-32,-16 518,604 516,846 522,844 524,221 r498,103	950,205 1,023,194 1,015,507 1,025,763 1,036,104	2,235,846 2,289,302 2,185,269 2,135,348 2,107,681 1,932,012	6,365,008 6,522,373 6,223,308 6,037,400 5,901,830 5,128,522	273,868 287,170 277,000 288,660 269,858 225,007	99 105 105 106 105 100	124 127 121 118 115 100

*Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

*Includes expenditures for plants under construction but not in operation.

*The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>—This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number.--This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

<u>Value added by manufacture.</u>--This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

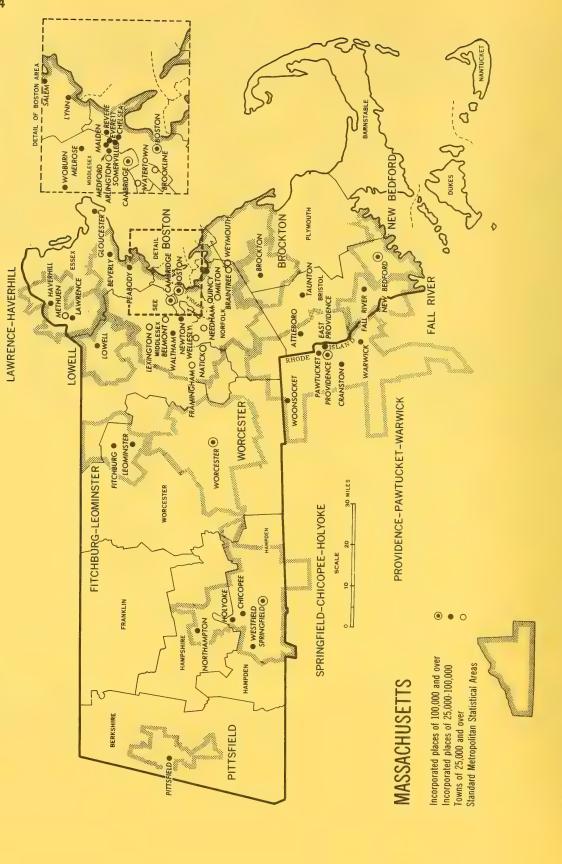


Table 2. --GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

					196	3				19	5â
State, standard metropolitan statistical areas.	Establi num	shments, ber	All emp	loyees ²	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
and counties 1	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ³ (\$1,000)	ees, number ²	manufac- ture (\$1,000)
MASSACHUSETTS, TOTAL	11,170	÷,258	676,997	3,726,571	482,436	950,205	2,235,846	6,365,008	273,868	Per., 12	¹ 5,128,522
STANDARD METROPOLITAN STATISTICAL AREAS											
Boston ⁴ . Brockton ⁵ . Fall River ⁶ Portion in Massachusetts. Portion in Rhode Island.	5,386 400 342 332 10	1,905 154 190 189	295,905 15,654 22,875 22,812 63	1,777,374 70,524 83,935 83,772 163	19-,261 12,838 19,835 19,790 45	261,842 23,831 36,258 36,172 86	969,787 51,365 65,452 65,350 102	3,009,156 118,367 138,267 137,885 382	124,972 4,781 4,075 4,045 (Z)	T301,049 15,754 23,665 23,617 48	°2,422,089 99,665 112,722 112,356 366
Fitchburg-Leominister ⁷ . Lawrence-Haverhill ⁸ . Portion in New Hampshire Portion in Massachusetts	286 469 30 439	120 188 6 182	17,487 41,787 427 41,360	92,117 213,111 1,503 211,608	13,789 30,354 310 30,044	28,542 58,153 556 57,597	64,876 131,705 883 130,822	167,453 359,089 2,469 356,620	14,450 16,312 (Z) 16,062	r16,976 r36,361 r163 r36,198	126,072 268,186 960 267,226
Lowell ⁹ . New Bedford ¹⁰ Pittsfield ¹¹ Providence ¹² Portion in Massachusetts. Portion in Rhode Island.	296 306 95 2,904 348 2,556	133 148 42 943 132 811	20,887 25,378 16,115 125,754 18,514 107,240	99,956 102,368 113,638 596,409 94,498 501,911	16,737 21,090 8,143 99,186 14,201 84,985	32,371 39,923 17,452 196,968 29,948 167,020	68,204 75,836 49,026 406,358 61,502 344,856	169,630 163,686 191,431 1,067,491 171,804 895,687	5,919 4,751 8,791 47,230 6,841 40,389	r ₂₀ ,302 26,522 14,230 r _{127,150} 18,128 r _{109,022}	r136,047 146,888 144,352 res2,065 131,466 r720,617
Springfield-Holyoke ¹³ Portion in Connecticut Portion in Massachusetts	965 8 957	388 2 386	68,800 329 68,471	387,238 1,476 385,762	50,180 290 49,890	99,734 610 99,124	242,659 1,141 241,518	679,775 2,446 677,329	28,636 (Z) 28,599	r,*33 413 r-1,-40	r _{597,404} 3,525 r _{593,879}
Worcester ¹⁴ COUNTIES ¹	773	296	47,582	267,148	34,050	67,409	167,060	436,005	17,278	51,124	377,725
Barnstable, Berkshire, Bristol, Essex, Franklin,	80 204 1,075 1,332 121	10 73 518 483 43	769 23,815 73,348 90,909 6,686	3,272 154,342 313,374 496,603 34,908	554 13,626 60,319 6-,635 5,143	1,086 28,655 116,655 123,482 10,295	2,131 75,140 224,229 302,116 23,237	5,879 248,011 545,629 839,357 69,387	(Z) 12,730 18,787 36,730 2,939	694 21,838 74,289 88,438 6,167	4,232 194,809 436,140 716,155 52,759
Hampshire, Hampshire, Middlesex, Norfolk, Plymouth,	892 151 2,365 734 532	360 54 909 247 189	62,421 8,702 157,716 46,441 19,308	354,717 44,730 953,459 276,806 86,460	45,718 6,534 104,633 29,192 15,717	90,928 13,419 208,481 58,634 29,494	223,389 29,224 515,531 145,973 61,149	616,996 85,315 1,462,568 456,646 150,705	26,032 3,800 70,867 17,991 6,259	65,161 8,543 154,575 45,575 19,430	536,583 73,314 1,112,730 373,169 130,236
Suffolk, Worcester,	2,183 1,489	758 614	87,356 99,443	482,006 525,527	60,747 75,563	117,334 151,637	283,725 349,767	998,691 885,386	30,834 46,417	95,834 r _{99,970}	784,758 r _{713,050}

(Z) Less than \$500 thousand. They ised.

Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The Boston Standard Metropolitan Statistical Area consists of Boston, Chelsea, Revere cities and Winthrop town in Suffolk County, Cambridge, Everett, Madden, Medford, Melrose, Newton, Somerville, Waltham, and Woburn cities and Arlington, Ashland, Bedford, Belmont, Burlington, Concord, Framingham, Lexington, Lincoln, Natick, North Reading, Reading, Sherborn, Stoneham, Sudbury, Wakefield, Watertown, Wayland, Weston, Wilmington, and Winchester towns in Middlesex County, Beverly, Lynn, Peabody, and Salem cities find Danvers, Hamilton, Lynnfield, Manchester, Marblehead, Middletown, Nahant, Saugus, Swampscott, Topsfield, and Wenham towns in Essex County, Quincy city and Braintree, Brookline, Canton, Cohasset, Dedham, Dover, Holbrook, Medfield, Millis, Milton, Needham, Norfolk, Norwood, Randolph, Sharon, Walpole, Wellsley, Westwood, and Weymouth towns in Norfolk County and Duxbury, Hanover, Hingham, Hull, Marshfield, Norwell, Pembroke, Rockland, and Scituate towns in Plymouth County, Mass.

The Brookton Standard Metropolitan Statistical Area consists of Brookton city and Abington, Bridgewater, East Bridgewater, Hanson, West Bridgewater, and Whitman towns in Plymouth County, Awan and Stouphton towns in Norfolk County, and Easton town in Bristol County, Mass.;

The Fall River Standard Metropolitan Statistical Area consists of Fitchburg and Leominister cities, Lunenburg and Westminister towns in Worcester County, and Shirley and Townsend towns in Middlesex County, Mass.; and Newton, Plaistow and Salem towns in Rockinghan County, N.H

The Lowell standard metropolitan Statistical Area consists of New Bedford city and Acushmet, Dartmouth, and Fairhaven towns in Bristol County, Mass.

10 The New Bedford Standard Metropolitan Statistical Area consists of New Bedford city and Acushmet, Dartmouth, and Fairhaven towns in Bristol County, and Marion and Mattapoisett towns in Plymouth County, Mass.

11 The Pittsfield Standard Metropolitan Statistical Area consists of Pittsfield city and Dalton, Lanesborough, Lenox, and Lee towns in Berkshire County, Mass.

12 The Pittsfield Standard Metropolitan Statistical Area consists of Pittsfield city and Dalton, Lanescorougn, Lenox, and Lee toward L. Larland Mass.

12 The Providence-Pawtucket-Warwick, Standard Metropolitan Statistical Area consists of Central Falls, Cranston, East Providence, Pawtucket, Providence, and Woonsocket cities and Burrillville, Cumberland, Johnston, Lincoln, North Providence, North Smithfield and Smithfield towns in Providence County, Narragansett and North Kingstown towns in Washington County, Warwick city and Coventry, East Greenwich and West Warwick towns in Kent County, Jamestown town in Newport County, Barrington, Bristol, and Warren towns in Bristol County, R.I.; also Attleboro city and North Attleboro, Rehoboth, and Seekonk towns in Bristol County, Bellingham, Franklin, Plainville, and Wrentham town in Norfolk County, and Blackstone and Millville towns in Worcester County, Mass.

12 The Springfield-Holyoke Standard Metropolitan Statistical Area consists of Chicopee, Holyoke, Springfield, and Westfield cities and Agawam, East Longmeadow, Hampden, Longmeadow, Ludlow, Monson, Palmer, Southwick, West Springfield, and Wilbraham towns in Hampden County, Northhampton city and Easthampton Granby, Hadley, and South Hadley towns in Hampshire County, and Warren town in Worcester County, Mass.; also Somers town in Tolland County, Conn.

14 The Worcester Standard Metropolitan Statistical Area consists of Worcester city and Auburn, Berlin, Boylston, Brookfield, East Brookfield, Grafton, Holden, Leicester, Millbury, Northborough, Northbridge, North Brookfield, Oxford, Paxton, Shrewsbury, Spencer, Sterling, Sutton, Upton, Westborough, and West Boylston towns in Worcester County, Mass.

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958 (See text for explanation of column captions)

				(See text:	for explana	tion of col	umn caption	s)				
						196	i3				19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ¹ (\$1,000)	ees, number	manufac- ture (\$1,000)
	All industries, total ²	11,170	4,258	676,997	3,726,571	482,436	950,205	2,235,846	6,365,008	273,868	r _{680,628}	r _{5,128,522}
20	Food and kindred products	1,109	368	41,066	209,267	26,029	52,713	115,994	502,039	22,807	48,045	409,697
201 202	Meat products	99 288	33 84	4,305 7,451	25,536 36,553	3,331 3,234	7,074 6,709	17,478 14,703	51,075 107,907	1,225	5,605 9,494	54,219 78,883
203 204	Canned and frozen foods Grain mill products	117 32	49 15	4,460 862	18,889 4,234	3,553 598	6,922 1,304	12,544 2,515	45,560 13,329	1,949 767	4,227 547	32,519 9,154
207	Candy and related products	54 149	29 43	5,786 4,275	25,420	4,778	9,110	17,844	70,694	1,922 2,870	7,049	51,606 40,952
209	Beverages Miscellaneous foods and kindred products	143	40	3,361	24,230 17,299	2,034	4,263 4,379	10,740 9,234	54,560 52,060	2,397	4,273 3,505	40,674
22	Textile mill products	444	275	41,686	185,856	36,024	73,306	141,377	316,293	14,271		
221 222	Weaving mills, cotton Weaving mills, synthetics	16 25	9	2,583 3,913	8,986 15,733	2,397 3,537	5,149 7,183	8,197 13,725	11,418 25,940	(Z) 1,221	r _{52,447} r _{7,453} 4,608	r _{322,125} r _{23,798} 25,079
223	Weaving, finishing mills,	58	49									
224	wool	37	20	7,856 2,238	33,488 9,153	7,090 1,975	14,373 3,813	26,169 7,570	60,118 14,943	1,779 (Z)	9,894 3,200	64,985 18,567
225 226	Knitting mills Textile finishing, except	48	31	5,717	24,968	4,815	9,227	16,582	46,330	2,243	5,695	37,398
227	woolFloor covering mills	49 22	33 11	5,823 1,548	29,063 7,263	4,630 1,295	9,542 2,652	20,431 5,301	41,642 13,116	2,157 (Z) 757	6,640 1,505	44,779 10,557
228 229	Yarm and thread mills Miscellaneous textile goods.	48 141	36 67	3,503 8,505	14,085 43,117	3,123 7,162	6,392 14,975	11,592 31,810	20,253 82,533	757 5,162	3,782 9,670	22,474 74,488
23	Apparel and related products	1,121	606	56,853	192,842	49,430	85,818	150,117	322,193	4,656	59,586	282,747
231	Men's and boys' suits and coats	86	46	6,194	24,049	5,469	9,444	18,597	41,002	(Z)	8,374	36,936
232 233	Men's and boys' furnishings. Women's and misses' outer-	95	47	4,920	15,998	4,500	8,042	13,178	28,263	(Z)	5,936	26,546
234	wear Women's and children's	451	285	21,503	74,466	19,139	32,586	58,190	129,966	2,063	22,549	108,982
236	underwear Children's outerwear	44 54	33 34	3,368 3,049	11,814	3,406 2,721	6,142 4,732	9,610 8,097	16,248 15,394	(Z) (Z)	4,689 2,955	19,992 13,632
238 239	Miscellaneous apparel Fabricated textiles, n.e.c	85 258	49 88	4,664 8,990	16,739 30,205	4,095 7,741	6,833 14,031	12,904 22,093	29,673 46,987	(Z) 958	4,887 7,295	22,225 41,076
24	Lumber and wood products	424	77	5,981	26,875	4,898	9,672	19,502	45,836	2,472	5,900	36,084
242 243	Sawmills and planing mills Millwork and related	105	4	697	2,608	590	1,168	2,078	4,664	(Z)	741	3,898
244 249	products	125 45	26 8	1,503 649	7,795 2,315	1,181	2,319 1,138	5,275 1,801	14,125 4,579	560 (Z)	1,409 1,014	9,588 3,864
25	Miscellaneous wood products.	125 393	133	2,925	13,594	2,389 9,643	4,709	9,858	21,371	1,127	2,613	17,223
251	Furniture and fixtures Household furniture	288	109	9,533	52,108 40,706	8,038	18,724 15,403	37,915 30,541	86,343 68,062	2,306 1,797	10,804	67,864 56,974
254 259	Partitions and fixtures Furniture and fixtures,	61	14	1,090	5,658	885	1,842	4,005	8,353	(Z)	797	5,583
26	Robert and allied anadysts	29 370	233	540 35,179	3,001	448	928	2,113	5,360	(Z)	515	3,276
262 264	Paper and allied products Paper mills, except building Paper and paperboard	44	42	10,684	68,601	27,173 8,439	58,322 19,506	137,897 49,598	363,426 124,873	23,251	35,524 10,869	294,334 95,145
265	products	164	83	12,568	65,973	9,126	18,592	41,870	127,274	6,662	12,723	107,877
200	boxes	150	97	10,489	55,338	8,419	17,460	39,279	95,070	5,430	10,437	79,134
27 271	Printing and putlishing Newspapers	1,262 188	284 56	40,157 12,953	226,308	25,960 6,393	50,320 11,899	139,193 40,335	435,226 131,831	17,294	37,166 11,928	319,188 100,244
272 273	Periodicals	73 75	€ 30	664	77,116 3,864	164	299	718	9,805	3,449 (Z)	707	7,818
274	Books Miscellaneous publishing	34	6	6,432 567	39,405 2,666	4,160 314	8,230 660	22,807 1,395	125,447	5,302 (Z)	4,755 703	64,499 6,376
275 276	Commercial printing Manifold business forms	685 13	124	11,529 777	63,428 4,456	9,107 461	18,056 973	47,330 2,485	98,167 6,558	5,440 (Z)	10,832 956	79,145 6,857
277	Greeting card manufacturing.	21	7	2,629	10,805	1 616	3,118	5,394	20,696	925	2,715	22,217
278 279	Bookbinding and related work Printing trades services	69 104	23 27	3,066 1,540	13,873 10,695	2,577 1,168	4,806 2,279	10,464 8,265	23,915 14,596	1,147 (Z)	3,003 1,567	19,501 12,531
28 281	Chemicals and allied products. Basic chemicals	454 47	130	16,206	104,904	10,765	21,679	59,506	279,676	22,412	15,532	225,729
283	Drugs	34	21 8	2,046 836	13,716 4,090	1,514 522	2,930 974	9,298 1,939	34,902 12,733	3,563 564	2,294 1,058	27,402 12,925
284 285	Cleaning and toilet goods Paints and allied products	124 75	21 27	2,829 1,694	19,107 10,056	1,579 1,080	3,236 2,143	8,317 5,273	88,837 28,244	3,282 1,133	3,557 1,706	91,232 22,200
287 289	Agricultural chemicals Miscellaneous chemical	14	7	357	1,811	224	436	1,019	4,816	(Z)	348	2,849
	products	95	20	2,330	15,204	1,542	3,025	8,935	31,809	2,676	2,487	28,283
29	Petroleum and coal products	57	16	1,430	8,857	989	2,268	5,366	21,117	1,359	1,582	17,251
30	Rubber and plastics products,	344	182	32,715	175,087	25,859	50,578	119,272	298,272	15,566	34,679	281,894
306	Rubber products, n.e.c	77 647	337	11,717	69,510	8,395	17,200	43,565	128,389	3,877	13,945	120,155
31 : 311 :	Leather and leather products Leather tanning and finishing	162	60	5,994	199,653 32,075	43,629 5,255	77,212	153,538 25.018	311,639	4,167	61,062	342,203
313	Footwear cut stock	189	85	5,694	22,337	4,876	9,118	25,018 15,887 101,728	54,680 39,483	1,198	7,556 7,213	63,847 42,382
314	Footwear, except rubber	193	154 7	34,028 505	129,641 1,664	30,128 428	51,863 755	101,728	191,710 2,288	1,992 (Z)	41,071 657	208,619 3,086
317 319	Purses and small leather goods	41 27	23 6	2,974 380	11,988 1,248	2,531 307	4,680 605	8,278 853	20,159	(Z)	3,837	19,207
219	Beauter goods, mee.c	2/	6	300	1,246	1 307	(000	853	2,180	(Z)	362	1,730

MASSACHUSETTS

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958--Continued

(See text for explanation of column captions)

						196	š				19	58
		Fetabli	shments.								1)	
		. num		All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value added by
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1	employ- ees, number	manufac- ture (\$1,000)
32	Stone, clay and glass products.	315	89	11,174	70,819	7,791	15,766	42,326	147,894	8,680	11,029	107,065
327	Concrete and plaster products	171 24	39	3,248 515	19,319	2,348 387	5,165 795	12,692	50,258	4,346	2,605	33,592
328 329	Cut stone and stone products. Nonmetallic mineral products.	71	6 30	6,514	2,999 44,2 1 2	4,338	8,429	2,024 24,719	4,480 87,944	(Z) 3,604	704 6,815	5,051 62,863
33	Primary metal industries	249	143	21,749	129,558	16,943	34,237	93,340	200,493	9,931	22,724	184,040
331	Steel rolling and finishing	30	25	4,371	29,753	3,479	6,589	22,120	41,401	1,718	6,165	53,125
332 335	Iron and steel foundries Nonferrous rolling and	50	33	3,045	16,821	2,743	5,555	14,141	26,988	1,034	3,896	25,932
336	drawing Nonferrous foundries	47 75	40	8,162 1,625	42,710 8,413	6,069 1,401	12,527	29,138 6,502	71,842 12,614	4,732 579	6,814 1,690	55,894 10,793
339	Primary metal industries,											
	n.e.c	30	17	4,316	30,406	3,111	6,432	20,651	39,747	1,713	3,900	32,291
34	Fabricated metal products	1,103	378	39,878	223,218	30,395	62,858	151,750	454,665	20,048	40,941	356,402
342 344	Cutlery, hand tools, hardware Structural metal products	108 368	45 116	9,448 8,012	52,034 47,427	7,287 6,134	14,469 12,757	37,126 31,823	171,148 75,623	9,230 2,855	10,268 7,955	120,520 65,725
345	Screw machine products	110	39	6,459	35,922	4,968	10,723	25,144	58,622	2,297	6.465	47,431
346	Metal stampings	11.3	50	3,469	18,439	2,770	5,803	12,747	28,916	950	3,553	23,377
347 348	Metal services, n.e.c Fabricated wire products,	195	51	2,876	13,839	2,403	4,904	10,269	21,357	1,095	2,432	15,372
349	n.e.c	54	22	1,523	6,813	1,234	2,520	4,875	12,709	(Z)	2,219	15,233
349	Fabricated metal products,	114	42	6,669	40,230	4,490	9,316	23,967	69,082	2,584	6,687	55,983
35 353	Machinery, except electrical Construction and like	1,379	380	68,050	431,911	47,741	98,341	274,162	722,107	31,284	66,266	558,375
251	equipment	41 392	17 89	1,729	10,617	1,212	2,465	6,659	19,626	501	1,739	15,252
354 355	Metal working machinery Special industry machinery	234	93	14,920	95,189 126,468	10,980	22,911 27,950	63,340 74,783	148,799 199,630	6,135 8,084	14,997	121,220
356	General industrial machinery.	177	58	9,223	54,688	6,525	13,227	35,846	93,788	2,984	9,055	79,604
357	Office machines, n.e.c	32	20	4,321	27,438	2,947	6,526	16,814	63,955	3,078	2,323	17,925
358	Service industry machines	50	24	4,218	25,829	2,990	6,010	16,213	48,447	1,631	4,775	50,198
36 361	Electrical machinery Electric distribution	533	275	96,066	566,819	63,399	126,272	316,847	965,798	36,336	r ₇ ر, ن۰7	r _{646,931}
362	products Electric industrial apparatus	59 45	27 22	10,241 3,593	70,499 14,179	6,310 2,640	12,927 5,012	35,998 8,478	128,433	4,747 771	13,541	131,391
364	Lighting and wiring devices	95	46	9,051	43,879	7,182	14,030	32,041	99,082	4,696	2,184 8,126	15,639 r _{80,944}
365	Radio and TV receiving	18	7	7 000		7 500	0 505	£ 120				
366	equipment Communication equipment	84	53	1,820 40,123	7,482 270,405	1,500 23,265	2,735 47,159	5,438 136,197	15,856 448,980	(Z) 13,638	1,406 F17,842	11,190 196,955
367	Electronic components	167	87	26,568	136,941	18,929	37,461	82,900	196,701	9,590	29,333	179,313
37 371	Transportation equipment Motor vehicles and equipment.	186 58	56 20	19,061 3,185	140,647 22,429	12,053 2,559	25,471 6,168	80,475 16,879	243,387 72,321	6,775 2,768	22,830 2,928	214,656 26,047
38	Instruments and related	225	0.7	00.000	7.07 000	10.000	00 000	00.070	215.055	00 FC	07.070	070 015
381	products	225 41	98 18	28,803 2,937	171,790 18,033	18,853 1,855	37,780 3,758	93,912 9,482	345,066 28,843	21,603 1,872	21,012 2,519	210,045 21,398
382	Mechanical measuring devices.	40	20	10,218	65,808	5,770	12,027	32,235	115,362	4,161	7,044	60,171
384	Medical instruments and	67	23	2,108	10,152	1,676	3,305	6,915	18,333	776	1,448	9,714
386	suppliesPhotographic equipment	22	8	5,038	33,077	2,872	5,838	15,259	78,244	(D)	2,938	50,522
39	Miscellaneous manufacturing,										r.,	r
391	including ordnance ³ Jewelry and silverware	550 113	197	32,431	158,759	24,818	48,786	103,197	302,983	8,647	r34,093	r _{250,180}
393	Musical instruments and parts	18	47	7,341	38,522 1,773	5,471 258	11,233 524	22,664 1,279	62,572 2,976	2,878 (Z)	6,514 371	44,026 2,230
394	Toys and sporting goods	98	44	7,189	29,921	5,660	10,484	20,118	68,686	1,990	6,950	44,215
395	Pens, pencils and office	46	7	833	, 70/	659	7 20/	2 000	12 200	(z)	690	6 720
396	supplies Costume jewelry and notions	60	24	4,010	4,104 17,337	3,455	1,284 6,832	3,009 12,196	13,287 36,415	(Z)	4,339	6,129 29,631
398 399 190	Miscellaneous manufactures3	215	70	12,741	67,102	9,315	18,429	43,931	119,047	2,879	r _{15,235}	r _{123,949}
	Administrative and auxiliary4	_	_	28,202	251,814	-	_	_	_	_	r _{22,731}	-
										L		

lishments are excluded.

Insuments are excluded.

'In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

⁻ Represents zero. n.e.c. Not elsewhere classified. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand. The vised.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are expluded.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958 (See text for explanation of column captions)

				(See text	for explana	tion of eol	umn caption	s, 				
						196	i3				19	58
Code	Industry group	Establi num	shments, ber With 20	All emp	loyees	Pro	duction wor	kers	Value added by manufac-	Capital expend- itures,	All employ- ees,	Value added by manufac-
		Total	or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	ture (\$1,000)	new 1'	number	ture (\$1,000)
		Melros Framin Waylar Danven towns Millis Norfol	se, Newton ngham, Lex nd, Westor rs, Hamil in Essex	i, Somervill lington, Lir i, Wilmingto ton, Lynnfi County, Qui i, Needham, and Duxbury	e, Waltham, ncoln, Natio on, and Wind eld, Manche ney city an	ties and Wi and Woburn ak, North Re chester town ester, Marbl ad Braintree	cities and eading, Rea ns in Middle lehead, Midd e. Brookline	in Suffolk Arlington, A dding, Shert sex County, lietown, Naha , Canton, aaron, Walpol eld, Norwell	shland, Bedfo orn, Stoneha Beverly, Lyn nt, Saugus, Cohasset,	ord, Belmont am, Sudbury, nn, Peabody, Swampscott, Dedham, Dove	Wakefield, and Sales Topsfield, er, Holbrook	on, Concord, Watertown, cities and and Wenham Medfield,
	All industries, total ²	5,386	1,905	295,905	1,777,374	194,261	381,842	969,787	3,009,156	124,972	r _{301,049}	r _{2,422,089}
20	Food and kindred products	488	193	24,973	133,224	16,532	33,365	77,981	328,465	14,046	30,654	264,437
201	Meat products Dairies	50 76	24 30	3,432 3,403	21,661 17,913	2,688 1,511	5,730 3,177	14,932 7,522	44,181 61,785	833 4,061	4,289 4,715	43,948
203	Canned and frozen foods	60	24	1,928	8,795	1,410	2,720	5,205	21,661	670	1.977	17,180
205 207	Bakery products	108 41	39 25	5,217 5,403	27,209 24,109	3,106 4,494	6,422 8,551	15,196 16,944	45,903 68,245	3,414 1,852	6,798 6,678	47,947 48,973
208 209	Beverages	62	21	2,628	15,484	1,306	2,702	7,270	34,735	1,510	2,347	23,900
209	Miscellaneous foods and kindred products	76	21	1,658	8,823	1,131	2,208	4,976	25,309	924	2,203	23,645
22 223	Textile mill products	101		5,002	24,611	3,915	8,002	16,127	48,450	4,012	6,515	46,865
225	Wool Knitting mills	7 17	5	538 947	2,795 3,888	471 742	995 1,316	1,948 2,170	6,7 <u>1</u> 3 7,384	(Z) (Z)	724 1,385	4,212 10,961
229	Miscellaneous textile goods	52	16	1,372	7,154	1,059	2,299	4,933	15,385	2,338	2,661	18,745
23 231	Apparel and related products Men's and boys' suits and coats	639 61	282	21,200 3,250	82,716 12,987	18,042 2,841	31,488 4,716	59,835 9,882	153,695 22,128	2,373 (Z)	25,681 5,159	137,153
232 233	Men's and boys' furnishings Women's and misses' outer-		16	954	3,690	798	1,346	2,484	7,754	(z)	1,335	7,175
234	wear Women's and children's	258-		8,942	36,697	7,522	13,377	26,353	74,903	1,296	10,878	64,600
236	underwear	14 25	7	610 826	2,496 3,047	533 709	900 1,289	1,825 2,234	4,170 4,175	(Z) (Z)	650 689	3,555 3,352
238	Miscellaneous apparel	45	24	2,714	10,444	2,354	3,853	7,652	19,849	(Z)	3,021	14,181
239 25	Fabricated textiles, n.e.c	158 196	43	3,182	10,711	2,688	4,958	7,663	16,388	(2)	2,878	16,100
251	Furniture and fixtures Household furniture	129	31	3,523 2,348	17,406 11,080	2,867 1,916	5,622 3,640	12,477 8,048	29,570 19,932	(2)	3,754 2,808	25,444 19,309
254 259	Partitions and fixtures Furniture and fixtures,	41	9	784	4,040	641	1,351	2,873	5,808	(Z)	511	3,707
237	n.e.c	18	4	323	2,031	254	519	1,355	3,373	(Z)	232	1,562
26	Paper and allied products	139	78	10,581	54,842	7,794	16,264	36,639	99,705	5,398	10,385	84,372
264 265	Paper and paperboard products Paperboard containers and	73	32	4,815	22,747	3,112	6,191	12,729	41,405	1,596	4,715	36,971
	boxes	60	41	4,921	26,344	3,974	8,365	19,458	46,950	2,850	4,721	39,247
27 271	Printing and publishing		158 22	23,568 7,785	143,079 51,258	14,420 4,022	27,713 7,355	84,075	287,339 75,345	9,182	22,587	213,359 66,305
272	Newspapers Periodicals	57	6	601	3,585	162	293	27,243 691	9,038	1,284 (Z)	7,633 604	6,713
273 274	Books Miscellaneous publishing	58 25	24	4,540 375	28,566 2,037	2,568 200	5,073 437	14,443 940	107,827 3,203	3,496 (Z)	3,256 528	54,331 5,214
275	Commercial printing	393	66	6,259	35 598	4,903	9,440	27,011	55,261	3,085	6,225	46,180
276 277	Manifold business forms Greeting card manufacturing	11	3	414 1,610	2,427 7,546 3,747	243 704	524 1,455	1,379 2,954	3,699 16,438	(Z) (Z)	500 1,725	3,762 15,831
278	Bookbinding and related work.	47	10	829	3,747	732	1.396	2,910	5,264	(Z)	923	5,082
279 28	Printing trades services Chemicals and allied products	67 269	21 77	1,155 7,433	8,315 48,986	886 4,693	1,740 9,235	6,504 26,423	11,264	(Z)	1,193	9,941
281	Basic chemicals	25	12	1,411	9,711	1,035	2,001	6,500	18,073	7,068 1,609	8,685 1,660	124,231 20,069
282 284	Fibers, plastics, rubbers Cleaning and toilet goods	12 88	2 16	285 1,793	1,863 13,135	129 951	261 1,974	660 5,448	4,023 52,166	(Z) 2,827	275 2,519	2,922 50,636
285	Paints and allied products	47.	20	1,281	7,626	813	1,598	4,022	23,262	847	1,369	18,779
287 289	Agricultural chemicals Miscellaneous chemicals	11	6	289	1,467	189	364	852	4,382	(Z)	242	1,904
	products	62	18	2,105	13,864	1,430	2,781	8,378	28,548	1,440	2,192	25,460
29	Petroleum and coal products	30	10	928	5,568	667	1,499	3,634	14,421	750	(D)	(D)
30	Rubber and plastics products,	134	. 64	17,032	94,638	13,075	25, 375	61,348	161,391	7,922	16,514	136,962
302	Rubber footwear	5	4	6,835	35,606 44,733	5,959	25,375 11,079	26,994	43,590	2,752	5,266	42,025
306 307	Rubber products, n.e.c Plastics products, n.e.c	51 78	28 32	7,459 2,738	44,733 14,299	5,005 2,111	10,078	25,587 8,767	89,268 28,533	2,458 2,712	9,194	79,722 15,215
31	Leather and leather products	320	146	18,896	83,775	16,327	29,041	62,991	140,335	1,997	(D)	(D)
311 313	Leather tanning and finishing Footwear cut stock	123 76	46 31	4,820 2,062	25,696 8,513	4,189 1,736	7,774 3,313	20,012	44,065 17,159	1,022	5,912	51,405
314 317	Footwear, except rubber Purses and small leather	74	51	11,131	46,442	9,661	16,557	5,679 35,151	72,921	(Z) 721	3,023 (D)	17,518 (D)
	goods	24	12	558	1,937	484	868	1,353	3,957	(Z)	1,191	5,698
32 327	Stone, clay and glass products. Concrete and plaster products		39 19	3,172	18,364	2,245 936	4,630 2,044	11,082	39,701	2,804	3,315	36,677
329	Nonmetallic mineral products.		15	1,362 1,415	8,664 7,740	1,006	1,991	5,408 4,290	23,186 13,509	1,950 709	1,244 1,498	20,196 12,612
33	Primary metal industries	81	45	3,980	23,670	2,962	5,532	14,939	40,744	2,696	4.957	36,787
331 332	Steel rolling and finishing Iron and steel foundries	14		543 855	3,043 4,925	418 705	789 1,403	2,464 3,753	5,655 7,571	(Z) (Z)	1,085 1,571	8,171 12,566
336	Nonferrous foundries		11	495	2,806		831	2,103	4,032	(z)	786	5,029

Table 4.—General statistics for standard metropolitan statistical areas with 40, 50. Or more magnifacturing employees: 1 #2 AUC 1958—00.0010 p. .

_				(bee text	for explana	100 01 001	Caption					
						196	3				19	958
Code	Industry group	Establi num		All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ¹ (\$1,000)	ees, number	manufac- ture (\$1,000)
_			ees		(\$1,000)			1	(\$1,000)	(φ1,000)		(φ1,000)
					1	POS	STON SMSA—C	ontinue:	1			
34 342 343	Fabricated metal products Cutlery, hand tools, hardware Plumbing and heating, except	558 35	182 10	17,733 2,841	104,773 17,541	13,371 2,105	27,420 4,067	70,040 11,219	248,878 105,377	12,164 7,304	17,519 2,891	177,416 61,635
344	electric	24 221	5 73	377 4,497	2,006 27,050	289 3,492	539 7,146	1,257 18,644	3,300 40,8-2	(3) 1,217	342 4,716	3,111 38,137
345	Screw machine products	53	18	3,297	20,366	2,499	5,404	14,089	33,587	920	3,347	26,221
346 347	Metal stampings	43 82	19 22	1,441 1,206	7,792 5,956	1,136 971	2,503 1,976	5,363 4,303	12,340 9,173	(Z) (Z)	1,310 987	9,537 6,335
349	Fabricated metal products,		23									
35	n.e.c	72 612	178	3,270 27,190	19,415	2,212 18,637	4,381 37,871	11,748	33,410 301,346	1,452 14,274	3,125 25,785	25,858 232,605
353	Construction and like	30	15							(2)		
355	equipment	85	30	1,497 6,010	9,214 40,029	1,053 3,789	2,096 7,635	5,825 22,596	18,348 57,992	1,996	1,486 6,806	13,282 53,680
356 357	General industrial machinery. Office machines, n.e.c	91 24	33 16	5,385 3,112	32,092 20,472	3,726	7,459 4,612	20,408 12,878	54,035	1,774	4,766 1,970	40,881
358	Service industry machines	28	14 1	1,095	7,497	2,092 729	1,490	4,027	15,090	2,235 729	742	6,943
359	Miscellaneous machinery	237	46	3,364	19,886	2,586	5,340	13,977	29,664	2,215	2,609	17,061
36 361	Electrical machinery Electric distribution	356	186	47,153	294,498	32,195	65,108	169,548	482,375	16,762	42,679	370,874
362	products Electric industrial apparatus	42 27	17 13	4,514 1,473	28,679 7,766	2,891 989	5,658 1,918	13,566 4,160	50,155 12,669	1,318	6,894 342	61,248
363	Household appliances	11	5	569	4,125	466	927	2,580	10,405	(D)	736	7,716 7,397
364 366	Lighting and wiring devices Communication equipment	62 67	32 41	5,704 16,069	2F,994 124,376	4,496 9,502	8,839 20,171	20,725 65,527	68,992 184,301	3,692 4,018	5,447 8,422	61,660 97,230
367	Electronic components	106	59	16,492	89,774	11,736	23,529	55,420	134,309	6,095	18,863	123,032
37	Transportation equipment	53	31	16,189	124,779	9,681	20,307	68,365	219,778	5,598	19,856	196,147
38	Instruments and related	152	61	. 10 /00	770 052	10,894	21,764	57,456	209,351	16 000	11,748	118,502
381	products Scientific instruments	28	11	17,428 2,549	110,853	1,586	3,210	€,20€	25,080	15,227 1,773	2,266	19,637
382 383	Mechanical measuring devices. Optical instruments and	31	15	5,593	39,684	3,183	6,707	19,390	61,429	2,061	3,590	27,519
384	lenses	17	7	683	5,021	443	788	2,602	9,427	(Z)	626	€,421
2014	supplies	49	19	1,497	7,342	1,127	2,158	4,601	13,577	(Z)	1,224	8,996
39	Miscellaneous manufacturing, including ordnance3	07.0		£ 000	06 300		2.705	377 500	70 IOO	2 05/	r	T,000
391	Jewelry and silverware	213 28	61 5	5,370 444	26,139 1,688	4,188 346	8,135 627	17,589 1,177	52,420 2,979	1,254 (I)	°5,214 244	r40,242 1,801
394 395	Toys and sporting goods Pens, pencils and office	30	11	1,215	5,771	956	1,728	3,453	11,794	(Z)	1,064	9,174
	supplies	22	ń	658	3,110	523	1,010	2,333	11,327	(2)	525	4,785
398 399	Miscellaneous manufactures3	99	31	2,570	13,171	1,975	4,005	8,971	21,901	534	r _{2,816}	^r 21,086
190	Administrative and auxiliary			22,337	196,103				_	_	r _{17,920}	
	gaining or golde and againing so			111,000		UEDELIAE ALLE					21,520	
		(Consist	ts of Lawr	ence and H		WRENCE-HAVE lies and And		getown, Grove	eland, Merrin	nac, Methuer	n, North An	dover, and
		Wes	st Newbury	towns in I	Essex County	, Mass., ar	nd Newton,	Plaistow ani	Salem towns	in Rockingh	nam County,	N)
	All industries, total ²	469	188	41,787	213,111	30,354	58,153	131,705	359,089	16,312	¹ 36,361	268,186
22	Textile mill products	32	21	3,394	16,920	2,798	5,745	12,012	30,810	823	3,909	32,462
23	Apparel and related products	21	11	1,719	6,890	1,543	2,720	5,636	11,074	(2)	2,025	8,707
26	Paper and allied products	16	10	1,841	11,004	1,509	3,470	8,285	17,398	1,555	2,375	16,861
30	Rubber and plastics products,	7.0	7.	7 /00	((00	2 000	0.074	1 000	77.0/2	500	1 500	77.0/0
0.7	n.e.c.	19	11	1,429	6,687	1,203	2,316	4,829	11,041	593 656	1,706	11,049
31	Leather and leather products	114 23	63	8,447 613	31,493	7,566 449	12,886 895	25,165	45,822	656 (Z)	10,287	53,266 9,572
34	Fabricated metal products		16		3,833			1,825	5,975	(Z)	1,116	9,572
35	Machinery, except electrical	46	16	1,515 648	8,455 5,918	1,133	2,545	5,094	15,377	(2)	1,511 r ₂₅₃	9,728
	Administrative and auxiliary4			648	2,9TG	-	-	-	-		403	

PROVIDENCE SMSA

("All manufacturing" totals for the Providence Standard Metropolitan Statistical Area (which includes parts of Bristol, Norfolk, and Worcester Counties in Massachusetts) appear in table 2. Industry group statistics for this area are shown in the 1963 Census of Manufactures report for the State of Rhode Island.)

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued

						196	3			1	19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ¹ (\$1,000)	ees, number	manufac- ture (\$1,000)
		Ludlow Eastha	, Monson, mpton, Gr	Palmer, Son	oke, Sprin uthwick, W y, and Sout	gfield, and est Springf h Hadley to	INGFIELD-HOI Westfield (ield, and)	LYOKE SMSA Cities and A Vilbraham to	gawam, East wns in Hampd , and Warren	Longmeadow en County, 1	Northhampto	Longmeadow n city, an
	All industries, total ²	965	388	68,800	387,238	50,180	99,734	242,659	679,775	28,636	r _{71,838}	r _{597,40}
20 202 205 208	Food and kindred products Dairies Bakery products Beverages	108 35 26 22	30 11 7 7	3,123 1,071 1,033 563	15,846 5,001 5,390 3,146	1,522 402 565 266	3,312 810 1,309 602	7,157 1,767 2,799 1,435	34,520 11,225 11,105 7,949	1,322 (Z) (Z) 609	3,991 1,021 1,516 622	30,21 7,72 11,26 5,83
22	Textile mill products Miscellaneous textile goods	30 7	24 5	3,217 411	13,890 1,870	2,730 359	5,725 776	10,444 1,491	24,159 3,938	936 (Z)	r _{4,955}	r _{33,0} ,0,
23 233 235 236 239	Apparel and related products Women's and misses'outerwear. Millinery, hats and caps Children's outerwear Fabricated textiles, n.e.c	52 16 5 5 15	33 12 4 4 7	4,933 983 556 911 1,385	17,978 3,405 1,683 3,318 5,901	4,417 927 508 808 1,129	7,952 1,528 841 1,441 2,181	14,198 2,752 1,491 2,646 4,024	28,656 5,849 2,432 5,434 9,372	(z) (z) (z) (z) (z)	4,187 622 451 1,071 782	20,79 3,11 1,81 5,41 6,25
24	Lumber and wood products Miscellaneous wood products	35 9	8	903 644	4,373 3,232	718 505	1,438 1,003	3,088 2,210	8,103 6,190	609 (D)	820 583	5,5 4,1
25 251	Furniture and fixtures Household furniture	21 12	8 6	707 652	2,979 2,657	566 524	840 754	2,170 1,965	4,714 4,208	(z) (z)	723 633	4,7 4,1
26 162 164	Paper and allied products Paper mills, except building. Paper and paperboard products	73 11 38	51 11 26	8,463 3,289 3,658	48,257 18,343 21,104	6,592 2,548 2,839	14,040 5,599 5,920	33,731 13,155 14,322	90,072 29,526 46,046	5,753 1,675 3,428	7,771 2,877 3,661	68,1 23,4 34,6
27 75 78	Printing and publishing Commercial printing Bookbinding and related work.	121 70 10	38 16 9	5,549 1,306 1,707	26,566 6,769 8,167	3,560 1,054 1,408	6,702 2,109 2,614	16,750 4,898 6,222	53,904 10,903 15,409	2,922 566 (D)	4,900 1,300 1,456	39,2 11,1 12,0
28 84	Chemicals and allied products Cleaning and toilet goods	34 12	12 4	3,640 915	25,830 5,388	2,400 568	4,807 1,136	14,867 2,627	72,838 35,805	5,391 (Z)	3,787 802	70,2 39,0
30	Rubber and plastics products,	28	19	2,915	17,038	2,274	4,232	11,392	25,519	996	3,901	43,1
32	Stone, clay and glass products.	32	6	399	2,703	273	613	1,633	6,012	(Z)	519	4,5
33 32 36	Primary metal industries Iron and steel foundries Nonferrous foundries	37 5 14	25 3 6	3,685 377 780	21,706 2,237 3,762	3,162 349 675	6,443 694 1,364	17,383 1,978 2,923	29,131 3,007 5,756	1,131 (Z) (Z)	2,931 313 435	21,3 1,3 2,4
34 42 43	Fabricated metal products Cutlery, hand tools, hardware Plumbing and heating, except	115 13	39 9	4,735 1,350	27,856 8,063	3,726 1,140	7,974	19,550 6,123	48,053 14,884	1,460 (Z)	6,410 1,292	51,7
44 47	electric	5 35 28	10 5	540 868 392	3,355 5,400 2,201	402 646 339	900 1,295 697	2,195 3,396 1,753	5,897 8,560 3,629	(Z) (Z) (Z)	549 747 336	4,6 6,8 2,4
35 54 55 56 59	Machinery, except electrical Metalworking machinery Special industry machinery. General industrial machinery. Miscellaneous machinery	174 69 23 32 39	50 18 10 12 5	11,266 1,628 1,530 2,684 408	69,717 10,639 10,147 15,776 2,324	7,982 1,255 935 1,918 346	16,237 2,753 1,862 4,007 713	45,849 7,568 5,472 10,555 1,900	121,804 15,815 19,481 27,959 3,890	4,077 703 (Z) 895 (Z)	11,572 1,472 2,097 1,958 398	104,6 10,0 17,0 16,7
3 6	Electrical machinery Electrical products, n.e.c	28 6	12 5	3,771 961	16,427 4,750	2,899 738	5,185 1,329	10,423 3,261	25,013 6,599	(Z) (Z)	3,700 1,364	24,2
37	Transportation equipment	12	5	722	4,313	582	1,208	3,293	6,345	(2)	1,063	6,5
38	Instruments and related products	11	5	1,188	7,667	632	1,307	3,608	13,563	(z)	933	10,5
39 94	Miscellaneous manufacturing, including ordnance ³ Toys and sporting goods	45 13	20 8	6,777 2,793	33,748 12,496	5,412 2,247	10,351 4,107	23,923 8,457	77,669 33,418	1,983 702	7,040 2,762	51,5 19,6
98	Miscellaneous manufactures3	24	11	3,905	20,752	3,109	6,127	14,841	43,201	1,243	4,053	30,2

MASSACHUSETTS

Table - . - Semeral Confisting For Studged Motopolitan CIMISTIMAL AREAS WITH - . . . The Mode Manufacturing Exployers: 1993 AND 1995 - Particle : (See text for explanation of column captions)

						196	3				19	58
		Establi num	shments,	All empl	loyees	Pro	duction wor	kers	Value	Capital	All	Value
Code	Insustry grosp	Total	With 30 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new 1	employ- ecs, number	added by manufac- ture (\$1,000)
		Millbur	ry, Northb	ester city corough, Nor West Boyls	thbridge, 1	North Brooks	field, Oxfor	ookfield, Ea	ast Brookfie	eld, Grafton Spencer, Ste	Holden,	Leicester,
	All industries, total ²	77-3	29c	47,582	2n7,1+8	34,050	77,409	167,060	→3r,005	17,278	51,124	377,725
20 202 205	Food and kindred products Dairies Bakery products	72 27 11	18 5 5	2,090 581	10,554 2,608 5,579	1,039 273 461	2,094 572 942	4,485 944 2,277	24,998 7,485 11,849	1,145 (Z) c87	2,363 661 1,021	23,370 5,679 10,084
22 223	Textile mill products Weaving, finishing mills,	44	32	2,4 %	12,474	.291	4,928	9,848	18,946	~~	3,002	20,854
225 228 229	Knitting mills	13 10	5 5 6 4	499 13 629	2,564 2,028 2,160 3,138	1 437 436 436 521	1,190 778 974 1,082	2,410 1,552 1,816 2,285	3,914 2,950 3,069 5,330	(Z) (Z) (Z) (Z)	468 774 521 683	4,622 3,392 3,253 6,037
23 232 235 239	Apparel and related products Men's and boys' furnishings Women's and misses' outerwear Fabricated textiles, n.e.c	55 c 1c 1c	2F 0 0 0	2,391 251 533 247	8,199 801 1,872 905	2,072 218 475 237	3,716 400 798 448	6,559 596 1,427 668	11,790 1,021 2.834 1,716	(Z) (Z) (Z) (Z)	2,632 419 449 189	13,199 1,667 2,331 958
25 251	Furniture and fixtures Household furniture	18	10	1,150	4,602 2,278	838 652	1,367 989	2,614 1,681	8,249 4,287	(Z) (Z)	307 200	2,248 1,558
26 2e4	Paper and allied products Paper and paperboard products	1.7 12	12	1,369	6,897 4,956	1,070 728	2,044 1,436	4,c13 3,169	9,995 5,683	(Z) (Z)	1,960 1,396	13,255 9,635
27 275	Printing and publishing Commercial printing	(5 3(14	1,940 600	10,494 3,594	1,229 429	2,471 890	6,032 2,233	18,187 5,134	916 (Z)	1,871 596	13,034 3,948
28	Chemicals and allied products	31	٠	30 1	→,863	£56	1,358	2,836	13,049	937	5+3	7,630
30	Rubber and plastics products, r.a.c.	23	~	. 337	4,171	790	1,580	3,135	7,800	(Z)	919	6,333
31 313 314	Leather and leather products Footwear cut stock Footwear, except rubber	29 7 10	20 5 10	2,653 405 1,999	9,433 1,758 6,776	2,314 353 1,751	3,846 664 2,791	7,027 1,149 5,215	13,077 2,521 9,127	(2) (Z) (2)	3,241 311 2,449	16,445 1,961 10,405
33 331 335	Primary metal industries Steel rolling and finishing Nonferrous rolling and	32 -	22	6,798 2,424	45,772 17,875	4,815 1,905	9,461 3,537	31,488 13,262	62,106 21,887	2,111 (Z)	7,978 3,379	68,906 31,165
	drawing	~	ć	1,386	1.292	859	1,708	4,522	10,825	565	1,241	12,186
342 344 345 346	Fabricated metal products Cutlery, hand tools, hardware Structural metal products Screw machine products Metal stampings	133 19 27 18 19	10 9 10	5,675 721 486 1,373 819	29,417 3,654 2,645 6,509 4,277	4,261 604 391 1,083 633	9,018 1,232 851 2,332 1,297	19,416 2,637 1,931 4,506 2,883	4°,+08 5,888 4,148 9,322 6,558	2,478 (Z) (Z) 519 (Z)	5,040 1,568 337 1,387 871	35,392 11,589 2,761 8,503 5,563
348	Fabricated wire products, n. %.2. Fabricated metal products,	15	c	574	2,274	-54	944	1,596	5,240	(Z)	361	2,806
	r. e. c	ى <u>د</u>	~	1,377	8,561	834	1,818	4,789	14,704	578	247	2.347
35 354 355 356 359	Machinery, except electrical Metalworking machinery. Special industry machinery General industrial machinery. Miscellaneous machinery.	129 53 30 15 2c	36 22 13 3 c	10,993 4,213 5,783 507 280	70,340 29,026 35,213 3,129 1,774	7,237 2,675 3,781 394 224	15,044 5,601 7,367 770 459	40,325 15,697 20,214 2,394 1,252	107,693 44,789 51,993 5,916 2,613	3,816 1,920 1,482 (Z) (Z)	12,450 4,602 6,496 971 164	85,161 39,286 33,581 9,330 1,092
3ε	Electrical machinery	le	+	→ 15	2,037	298	590	1,264	2,744	(Z)	323	1,972
39 394	Miscellaneous manufacturing, including ordnance ³ Toys and sporting goods	ة 3 -	-2	1,481 414	6,991 1,707	1,113 357	2,296 671	4,685 1,313	10,864 2,035	(z) (z)	1,522 529	7,961 2,556
	Administrative and auxiliary4	-	-	351	2,247	_		-	-	_	45	-

-Represents zero. n.e.c. Not elsewhere classified. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand. Revised.

¹Includes expenditures for plants under construction but not in operation.

²The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

³Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

'In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

U.S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE





1963 CENSUS OF **MANUFACTURES**



Area series

MICHIGAN

preliminary report

Value added by manufacturing in 1963 in the State of Michigan amounted to \$13,004 million, an increase of 9 percent from 1962 and 56 percent from 1958. Of this total,\$5,068 million was contributed by the transportation equipment industries and \$1,758 million by the nonelectrical machinery industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1. - GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	Ali emp	loyees¹	Pr	oduction worke	rs	Value	Capital	Index of (1958	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	13,965 (NA) (NA) (NA) (NA) 13,429	4,400 (NA) (NA) (NA) (NA) 3,990	961,459 936,583 888,692 963,452 933,384 880,428	6,941,128 6,281,004 5,678,234 6,106,806 5,855,128 5,164,299	692,212 674,328 626,125 690,410 664,130 608,856	1,477,677 1,400,854 1,256,403 1,412,491 1,388,142 1,204,072	4,522,115 4,124,578 3,597,780 3,977,355 3,769,668 3,184,797	13,003,804 11,969,255 10,191,692 10,858,207 10,534,821 8,363,614	721,073 555,758 563,097 655,874 531,168 465,273	109 106 101 119 104 100	156 1-3 122 130 126 100

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)
Includes expenditures for both plants in operation and for plants under construction but not in operation.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

August 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS, A. Ross Eckler, Director



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>—This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. -- This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1965: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

MICHIGAN

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



MICHIGAN

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

					196	3				19	58
State, standard metropolitan	Establi num	shments,	All emp	loyees ²	Pro	duction wor	kers	Value	Capital	All	Value
statistical area, and counties ¹		With 20						added by manufac-	expend- itures, new ³	employ- ees, number ²	added by manufac-
	Total	or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	(\$1,000)	(\$1,000)	number	ture (\$1,000)
MICHIGAN, TOTAL	13,965	4,400	961,459	6,941,128	692,212	1,477,677	4,522,115	13,003,804	721,073	880,428	8,363,614
STANDARD METROPOLITAN STATISTICAL AREAS											
Ann Arbor ⁴ . Say lity ⁵ . Detroit ⁶ . Srand Rapids ⁶ . Sckbon ⁹ . Kalamazoo ¹⁰ . Lansing ¹¹ . Muskegon Muskegon Heights ¹² . Saginaw ¹³ . Toledo ¹⁴ . Fortion in Michigan. Fortion in Ohio.	240 177 6,836 3.4 1,157 281 297 348 227 243 992 127 865	77 54 2,127 97 412 104 126 107 93 88 327 39 288	25,697 9,919 493,583 68,888 64,708 16,402 25,918 28,854 25,361 25,278 71,065 6,669 64,396	187,772 62,980 3,839,187 563,502 393,671 107,058 171,606 223,149 165,096 187,513 487,303 46,140 441,163	20,710 7,798 330,201 56,549 50,488 12,430 17,643 21,746 19,326 20,142 50,006 5,388 44,618	44,627 16,110 707,127 133,397 103,870 25,473 37,093 49,431 39,711 44,322 102,729 11,891 90,838	142,471 47,205 2,290,693 445,923 280,624 103,304 162,278 119,556 141,666 313,086 35,534 277,552	485,088 137,412 6,602,468 1,145,588 781,336 195,449 368,437 473,777 302,756 401,637 921,934 98,107 823,827	19,191 6,065 348,423 81,465 37,150 9,032 15,568 27,300 25,378 35,7735 42,883 7,991 34,892	18,074 9,315 467,825 58,802 56,480 14,904 25,063 25,795 23,504 21,201 70,838 6,150 64,688	184,325 89,694 4,312,429 585,920 548,250 150,359 278,059 283,700 210,589 221,307 715,535 58,148 657,387
COUNT IES ¹											
Allegan	105	28	3,885	20,973	3,123	6,634	15,445	39,496	2,823	3,665	34,823
Alpena	38	12	2,925	19,197	2,161	4,631	13,407	46,720	2,403	3,451	36,783
Antrim	32	10	966	4,465	787	1,610	3,211	8,920	(Z)	711	4,762
Baraga	53	7	705	2,895	546	1,100	2,175	5,752	(Z)	229	1,243
Barry	45	14	3,009	17,580	2,257	4,659	12,155	36,334	2,225	2,399	20,969
Bay.ie Benrien Branch Calhoun	177 17 325 79 197	54 7 125 27 79	9,919 483 23,515 3,310 19,337	62,980 1,852 148,853 18,528 128,459	7,798 411 16,989 2,635 14,754	16,110 828 34,729 5,411 29,801	47,205 1,457 91,007 13,304 90,471	137,412 3,194 265,098 33,907 343,036	6,065 (2) 11,328 1,720 17,300	9,315 429 20,626 2,841 20,547	89,694 1,806 181,980 23,282 267,345
Cass.	76	24	2,661	13,904	2,173	4,528	10,355	21,489	2,608	2,174	14,493
Charlevoix	34	14	1,508	6,906	1,313	2,786	5,212	13,750	1,017	912	6,933
Cheboygan	30	7	463	1,941	395	786	1,470	3,695	(Z)	325	1,566
Chippewa	43	4	598	2,922	423	840	1,962	6,004	(Z)	768	6,331
Clare.	19	5	672	3,720	511	1,042	2,724	6,702	(Z)	408	3,489
Clinton.	35	6	1,079	6,821	753	1,636	4,707	17,825	623	811	14,203
Crawford	10	3	268	1,132	196	412	735	2,437	(2)	294	1,779
Delta.	97	12	2,353	12,138	1,983	3,993	9,916	23,168	1,127	2,174	12,849
Dickinson.	78	11	1,044	4,546	739	1,470	2,868	7,738	1,185	1,951	14,444
Eaton.	82	25	2,583	14,365	1,799	3,788	8,526	17,745	1,218	1,978	12,098
Emmet.	28	10	938	4,667	800	1,671	3,579	12,106	1,365	656	8,395
Genesee	283	79	66,931	553,462	54,888	127,942	438,414	1,124,581	80,463	57,651	578,648
Gogebic.	64	8	718	2,955	595	1,200	2,313	4,064	(Z)	795	4,631
Grand Traverse	54	23	2,490	12,351	1,885	3,611	8,128	21,779	934	2,082	13,815
Gratiot.	39	15	3,778	21,656	2,994	6,307	15,003	39,171	3,429	2,967	31,481
Hillsdale	69	19	2,440	12,761	2,003	4,206	9,852	26,013	1,278	1,921	15,814
Houghton	72	14	1,086	4,570	777	1,559	2,970	9,184	604	1,276	9,218
Huron,	60	19	1,362	6,981	1,113	2,320	5,240	14,688	1,522	1,428	13,699
Ingham,	231	76	25,192	201,963	19,194	44,007	149,045	438,207	25,459	23,006	257,399
Ionia	74	27	3,894	21,413	3,166	7,058	16,110	46,722	1,738	3,799	29,128
Ioseo.	34	6	497	2,258	438	883	1,814	5,543	(Z)	482	5,432
Iron.	48	2	262	852	229	429	728	1,593	(Z)	229	937
Isabella	30	7	547	3,087	405	866	2,094	5,897	(Z)	716	6,232
Jackson.	281	104	16,402	107,058	12,430	25,473	73,644	195,449	9,032	14,904	150,359
Kalamazoo.	297	126	25,918	171,606	17,643	37,093	103,304	368,437	15,568	25,063	278,059
Kent.	872	298	50,409	317,216	39,342	80,982	226,082	621,076	31,281	44,468	409,733
Lapeer.	51	18	1,957	10,040	1,661	3,455	7,509	21,007	1,002	1,151	7,272
Lenawee.	169	54	10,347	63,006	8,231	16,676	46,272	115,070	5,392	10,066	105,040
Livingston.	101	29	2,201	12,213	1,781	3,716	8,690	21,760	862	1,713	13,171
Macomb.	1,075	341	68,947	554,314	40,374	87,903	278,373	689,259	45,873	61,847	486,421
Manistee		17	2,552	13,173	1,992	4,034	9,065	35,933	1,694	1,871	20,079
Marquette		13	1,787	6,747	1,436	2,833	4,772	12,498	587	2,219	12,644
Mason,		24	2,359	11,562	1,908	3,707	8,114	27,796	1,545	1,899	16,772
Mecosta		14	1,279	5,684	1,094	2,050	4,349	13,464	(2)	1,003	6,082
Menominee		21	2,361	10,283	1,912	3,779	7,700	20,570	1,260	2,573	20,084
Midland,	36	13	13,849	112,258	8,014	17,156	63,205	190,646	14,921	12,884	139,423
Monroe,	127	39	6,669	46,140	5,388	11,891	35,534	98,107	7,991	6,150	58,148
Montcalm,	57	22	3,972	23,619	3,130	6,555	17,189	54,600	1,516	3,452	41,328
Muskegon,	227	93	25,361	165,096	19,326	39,711	119,556	302,756	25,378	23,504	210,589
Oakland	1,350	388	67,052	512,167	49,278	110,167	349,704	987,977	69,001	50,036	538,847
Oceana	26	7	434	1,285	381	699	994	2,592	(2)	487	1,743
Ogemaw	26	5	342	1,171	300	561	927	1,513	(3)	289	1,933
Ontonagon	23	4	534	2,986	425	940	2,404	8,480	725	434	3,567
Osceola	30	9	1,421	6,525	1,212	2,530	5,013	11,426	758	947	6,459
Otsego	17	2	439	2,541	362	795	2,034	5,943	537	371	3,548

1963 CENSUS OF MANUFACTURES

Table 2. —GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL ARRAS, AND COUNTIES: 1963 AND 1958—Continued

(See text for explanation of column captions)

					196	i3				19	58
State, standard metropolitan statistical areas.	Establi num	shments, ber	All emp	loyees ²	Pro	duction wor	kers	Value	Capital	All	Value
and counties ¹	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
COUNT IES1 — Continued											
Ottawa. Saginaw. Saint Clair Saint Joseph. Sanilac	285 243 188 141 65	114 88 59 70 27	14,299 25,278 9,954 8,568 3,169	76,455 187,513 63,403 43,918 15,324	11,146 20,142 7,289 6,780 2,720	22,888 44,322 15,204 14,109 5,797	54,542 141,666 42,684 30,327 11,825	160,260 401,637 107,059 97,247 30,820	5,869 35,735 5,157 4,381 1,044	12,012 21,201 7,752 7,375 2,227	138,517 221,307 67,829 69,407 16,506
Schoolcraft Shiawassee Tuscola Van Buren, Washtenaw,	33 92 69 104 240	3 31 20 36 77	358 5,439 2,104 4,960 25,697	1,599 30,587 9,643 23,877 187,772	307 4,205 1,695 4,136 20,710	618 8,603 3,568 8,345 44,627	1,352 21,157 7,571 18,622 142,471	2,983 50,729 21,172 49,360 485,088	(Z) 2,023 1,407 2,170 19,191	341 4,158 1,484 3,714 18,074	1,865 31,578 8,174 30,011 184,325
Wayne	4,411 47	1,398 17	357,584 1,741	2,772,706 8,056	240,549 1,427	509,057 2,645	1,662,616 6,125	4,925,232 15,251	233,549 (Z)	355,944 1,497	3,287,161 9,442

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

						196	3				19	58
Code	Industry group	Establi num	shments,	All emp	loyees	Pro	duction wor.	kers	Value added by	Capital expend-	All employ-	Value added by
code	mads ary group	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures,	ees,	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total ²	13,965	4,400	961,459	6,941,128	692,212	1,477,677	4,522,115	13,003,804	721,073	880,428	8,363,614
20	Food and kindred products	1,349	489	52,328	291,048	35,018	71,224	176,213	737,042	39,174	57,665	657,595
201	Meat products	249	85	6,146	34,645	4,703	9,776	24,367	73,784	3,366	6,835	72,264
202	Dairies	349	129	9,662	53,372	4,646	9,892	24,514	133,571	8,490	12,600	142,770
203	Canned and frozen foods	161	76	7,382	27,198	6,349	12,282	20,420	91,092	5,130	7,132	59,525
204	Grain mill products	77	17	7,208	48,200	5,849	11,773	37,506	184,787	8,996	7,627	156,889
207	Candy and related products	27	5	616	2,610	480	921	1,994	5,275	(Z)	562	3,164
208	Beverages	135	56	6,373	42,448	3,594	7,089	20,677	99,597	7,206	6,561	80,975
209	kindred products	121	38	3,186	17,698	1,915	3,851	8,596	26 0072	2,371	2 102	22 020
			1	_ ′	· '			1	36,973		3,173	32,039
22	Textile mill products	37	18	2,874	16,475	2,401	4,991	11,790	35,158	1,344	2,132	16,076
229	Miscellaneous textile goods	22	13	2,020	12,934	1,635	3,387	9,132	30,126	1,091	1,510	11,853
23	Apparel and related products	239	82	15,850	85,095	13,624	27,324	67,386	161,825	7,280	11.010	57,110
232	Men's and boys' furnishings	24	9	610	1,894	523	938	1,579	3,191	(Z)	1,128	4,629
233	Women's and misses' outerwear.	22	10	1,045	3,434	916	1,582	2,457	5,338	(Z)	532	2,566
234	Women's and children's		1									
	underwear	14	9	1,571	4,129	1,417	2,618	3,338	9,305	(2)	1,350	5,887
236	Children's outerwear	10	8	826	2,630	713	1,493	2,077	5,150	(Z)	926	4,301
238	Miscellaneous apparel	14	6	399	1,816	298	559	1,100	3,563	532	407	2,616
239	Fabricated textiles, n.e.c	141	37	11,254	70,690	9,628	19,904	56,423	133,946	6,317	6,510	35,650
24	Lumber and wood products	1,265	147	12,669	51,001	10,790	20,784	39,306	91,519	8,401	11,447	62,318
241	Logging camps and contractors.	528	7	1,864	4,290	1,678	3,168	3,878	7,737	1,501	1,673	6,212
242	Sawmills and planing mills	316	51	3,536	13,395	3,099	6,083	11,044	20,817	1,982	3,617	18,328
243	Millwork and related products.	183	36	3,118	15,828	2,466	4,750	11,092	28,898	1,668	2,678	18,743
244	Wooden containers	44	9	509	1,847	438	834	1,409	3,551	(2)	785	3,703
249	Miscellaneous wood products	194	44	3,642	15,641	3,109	5,949	11,883	30,516	3,124	2,694	15,332
25	Furniture and fixtures	403	146	18,668	102,087	14,790	30,218	72,030	193,187	4,133	18,032	159,267
251	Household furniture	229	91	8,330	38,594	7,099	14,601	29,983	68,003	1,360	8,914	61,764
252	Office furniture	16	9	2,661	17,050	2,262	4,697	13,574	40,751	643	2,630	32,585
253	Public building furniture	26	11	2,934	17,761	2,012	3,968	10,831	31,971	711	2,607	26,834
254	Partitions and fixtures	96	24	2,584	15,618	1,852	3,942	9,625	25,811	708	2,259	19,318
259	Furniture and fixtures, n.e.c.	36	111	2,159	13,064	1,565	3,010	8,017	26,651	711	1,622	18,766

⁽²⁾ Less than \$500 thousand.

Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The Ann Arbor Standard Metropolitan Statistical Area is coextensive with Washtenaw County, Mich.

The Bay City Standard Metropolitan Statistical Area consists of Macomb, Oaklend, and Wayne Counties, Mich.

The Flint Standard Metropolitan Statistical Area consists of Genesee and Lapeer Counties, Mich.

The Jackson Standard Metropolitan Statistical Area consists of Kent and Ottawa Counties, Mich.

The Jackson Standard Metropolitan Statistical Area is coextensive with Jackson County, Mich.

The Kalamazoo Standard Metropolitan Statistical Area is coextensive with Kalamazoo County, Mich.

The Lansing Standard Metropolitan Statistical Area consists of Clinton, Eaton, and Ingham Counties, Mich.

The Lansing Standard Metropolitan Statistical Area is coextensive with Saginaw County, Mich.

The Saginaw Standard Metropolitan Statistical Area is coextensive with Saginaw County, Mich.

The Toledo Standard Metropolitan Statistical Area is coextensive with Saginaw County, Mich.

MICHIGAN

Table 3.—GENERAL STATISTICS FOR THE STATE, 5Y SELECTED INDUSTRY GROUPS: 1963 AND 1908—Continued

(See text for explanation of column captions)

-						196	3				19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor.	kers	Value added by	Capital	All employ-	Value added by
		Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures,	ees, number	manufac- ture
_			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
26 262 264 265	Paper and allied products Paper mills, except building Paper and paperboard products. Paperboard containers and	215 24 86	138 22 40	28,106 5,607 8,058	179,457 41,326 48,917	22,094 4,605 6,327	48,170 10,633 13,247	132,469 32,171 35,549	344,376 82,087 102,377	27,811 6,221 12,337	26,786 5,404 7,922	259,934 57,890 73,179
	boxes	86	58	10,256	60,176	7,773	16,309	41,939	98,763	5,083	8,911	72,703
27 271 272 273 275 276 278 279	Printing and publishing. Newspapers. Periodicals. Books. Commercial printing. Manifold business forms. Bookbinding and related work. Printing trades services.	1,440 324 73 48 781 14 36 109	255 77 8 15 100 8 17 24	27,908 11,427 579 1,106 9,939 784 1,412 1,885	176,749 73,135 3,934 5,233 64,005 4,428 6,961 15,988	17,547 5,683 176 655 7,591 577 1,183 1,450	34,381 10,767 282 1,269 15,350 1,152 2,282 2,877	107,186 37,077 1,000 3,415 44,860 2,959 5,259 11,775	318,276 140,966 9,885 11,216 111,327 7,078 11,217 21,548	16,006 6,546 (Z) (Z) 6,527 983 544 674	27,779 12,069 597 753 9,829 600 1,202 2,058	257,218 115,945 7,229 6,379 90,576 4,599 7,681 19,814
28 281 283 284 285 287 289	Chemicals and allied products. Basic chemicals. Drugs. Cleaning and toilet goods. Paints and allied products. Agricultural chemicals. Miscellaneous chemical products.	440 68 47 102 77 29	139 28 19 17 29 11	33,713 13,199 6,969 1,663 3,860 687	249,503 102,101 48,753 10,745 29,114 3,729	23,485 9,206 4,979 1,005 2,262 444 1,588	48,528 19,232 9,552 2,063 4,642 960 3,482	160,210 68,342 31,323 4,887 13,799 2,299	764,125 255,119 234,839 36,051 81,675 9,803	47,949 26,782 4,403 1,502 2,620 677	35,304 14,082 8,474 1,149 3,808 593	593,904 185,611 200,296 19,967 58,269 7,243 37,591
29	Petroleum and coal products	73	24	2,929	22,027	2,046	4,539	14,418	84,822	2,843	2,807	50,709
291 295 299	Petroleum refining Paving and roofing materials Petroleum and coal products,	15 30	10 9	2,086 538	16,422 3,412	1,458	3,328 846	10,922 2,448	65,294 8,145	2,156 548	1,982 477	39,823 6,317
	n.e.c.	28	5	305	2,193	166	365	1,048	11,383	(2)	348	4,569
30 307	Rubber and plastics products, n.e.c Plastics products, n.e.c	290 222	117 87	19,005 8,225	113,711 41,145	14,970 6,572	29,983 13,540	80,940 28,602	230,048 81,716	13,882 6,239	14,113 4,302	146,565 35,588
32 323 324 325 327 329	Stone, clay and glass products. Products of purchased glass Cement, hydraulic	739 32 11 13 536 105	155 9 7 5 86 37	18,150 1,766 2,037 473 6,544 3,329	113,960 11,005 15,200 2,810 40,275 19,708	13,942 1,331 1,625 392 4,546 2,543	28,640 2,759 3,521 875 9,539 4,975	78,459 7,199 11,380 2,116 24,676 12,807	309,453 38,233 55,667 4,285 99,768 43,980	15,222 577 2,231 (Z) 8,514 1,904	17,425 1,024 2,620 562 6,457 3,053	207,976 11,096 49,056 4,429 71,435 31,261
33 331 332 334 336 339	Primary metal industries. Steel rolling and finishing. Iron and steel foundries. Secondary nonferrous metals. Nonferrous foundries. Primary metal industries,	555 42 118 25 166	319 32 95 8 69	81,625 26,052 30,233 410 7,120	602,734 215,566 217,598 2,528 44,732	68,174 21,480 26,039 317 6,017	142,987 43,565 56,368 667 12,088	471,119 166,274 178,266 1,573 33,924	1,143,823 509,882 346,322 7,534 71,102	98,524 62,559 22,970 (Z) 3,051	67,977 21,001 24,323 407 7,529	683,092 275,712 188,426 2,466 69,051
	n.e.c	145	70	7,970	59,003	6,575	13,995	44,852	95,837	3,936	6,250	57,916
34 342 343	Fabricated metal products Cutlery, hand tools, hardware, Plumbing and heating, except	2,074 159	793 68	87,087 18,487	550,331 130,472	70,145	148,300 34,127	400,317 103,051	1,024,532 275,793	46,202 15,329	79,052 18,717	677,117
344 345 346 348	electric	54 497 348 344	20 157 124 180	3,574 14,064 9,879 16,240	19,157 86,852 66,620 100,770	2,289 10,645 8,118 13,390	4,483 21,957 18,535 27,872	12,117 57,965 48,946 72,031	31,819 160,662 124,032 181,544	1,033 6,936 5,942 6,863	3,527 15,602 7,978 13,672	28,938 141,751 72,104 127,333
349	n.e.c	87	41	6,847	42,819	5,573	11,711	31,435	69,876	3,026	6,777	46,681
	n.e.c	159	74	10,083	64,133	7,844	15,998	44,621	110,694	3,882	8,048	62,315
35 351 352 353	Machinery, except electrical Engines and turbines Farm machinery and equipment Construction and like	3,242 23 64	940 16 25	132,934 12,748 5,209	971,906 91,025 34,776	101,931 9,450 3,933	215,720 19,534 8,530	695,839 63,963 24,381	1,758,378 184,205 103,971	63,855 5,242 1,772	124,422 11,309 4,786	1,192,827 110,199 78,642
354 355 356 358	equipment, Metalworking machinery, Special industry machinery, General industrial machinery, Service industry machines,	134 1,613 132 381 84	63 : 505 : 59 : 108 : 31	12,024 48,954 6,801 15,738 8,497	83,203 395,773 48,997 113,981 56,176	8,357 38,732 4,620 12,230 6,301	16,327 87,160 9,748 25,482 12,397	52,382 297,555 27,484 83,052 36,746	160,745 642,225 99,831 206,678 108,894	4,355 26,264 3,312 9,223 3,216	11,683 42,599 6,311 16,157 9,461	114,369 425,458 72,072 139,657 93,804
361 362 363 364 367 369	Electrical machinery. Electric distribution products Electric industrial apparatus. Household appliances. Lighting and wiring devices. Electronic components. Electrical products, n.e.c	359 46 94 40 45 47	156 21 51 16 16 16 21	32,378 2,614 7,255 7,504 1,783 2,976 7,169	193,194 17,104 44,895 46,489 9,337 13,370 42,930	25,473 1,890 5,455 6,078 1,427 2,465 6,156	51,983 3,770 11,213 12,424 2,859 4,827 12,733	134,874 10,281 28,390 34,988 6,672 8,902 34,662	372,094 30,788 66,579 107,855 17,746 28,149 92,881	13,415 959 1,944 5,348 (Z) 802 3,136	27,179 3,581 5,001 8,368 1,088 2,281 3,587	253,817 32,977 41,113 75,606 11,957 22,891 38,712
37 371 372 373	Transportation equipment Motor vehicles and equipment Aircraft and parts Ship and boat building	596 362 89 59	306 213 48 15	283,770 264,494 10,323 2,648	2,246,819 2,114,828 80,073 13,709	231,823 218,229 6,244 2,308	522,048 494,860 12,726 4,468	1,749,605 1,669,080 41,712 11,287	5,068,299 4,861,894 103,054 19,276	301,537 294,623 4,101 (2)	252,370 231,259 12,403 3,714	2,749,241 2,595,206 90,358 23,607

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY CROUPS: 1963 AND 1958—Continued

(See text for explanation of column captions)

-						196	i3				19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	itures, new1 (\$1,000)	employ- ees, number	manufac- ture (\$1,000)
38 381 382	Instruments and related products Scientific instruments Mechanical measuring devices		42 11 13	13,591 4,731 6,592	92,527 32,957 47,413	10,385 3,535 5,103	20,709 6,702 10,667	65,206 23,284 34,400	151,032 52,517 77,938	8,211 3,622 3,767	8,746 4,230 1,850	83,176 44,324 14,702
39 391 393 394	Miscellaneous manufacturing, including ordnance ³ . Jewelry and silverware. Musical instruments and parts. Toys and sporting goods.		114 6 7 41	13,527 529 1,472 5,422	76,396 3,690 7,961 26,885	10,104 338 1,324 4,148	21,308 679 2,663 8,334	50,038 2,248 6,909 17,495	173,785 7,824 14,171 84,197	4,334 (Z) (Z) (Z) 2,118	21,704 305 971 5,117	228,992 2,862 6,710 53,556
395 398 399 190	Pens, pencils and office supplies Miscellaneous manufactures ³	30 253	6 53	458 5,599	3,228 34,498	298 3,955	636 7,920	2,018 21,148	5,304 62,099	(Z) 1,540	416 14,651	3,575 158,689
	Administrative and auxiliary4	-	-	80,464	788,267	-	-	_	-	-	70,838	-

- Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand. Revised.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) to avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was not operated as an integral part of the establishments at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

Table 4. —GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

				(See text	TOP EXPLANA	tion of cor	umn caption	5 /				
						196	3				19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures,	ees, number	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
					(See fo	otnotes at	DETROIT :		description)		
	All industries, total ²	6,836	2,127	493,583	3,839,187	330,201	707,127	2,290,693	6,602,468	348,423	467,825	4,312,429
20 201 202 203 205 208	Food and kindred products Meat products	474 113 78 37 96 52	184 50 36 8 35 25	21,466 3,108 3,293 575 6,616	132,531 18,804 20,664 2,658 39,109	13,079 2,352 1,476 478 4,036	26,609 4,994 3,164 857 8,247	72,700 13,182 9,137 1,510 22,624	260,618 40,281 50,276 4,291 61,359	13,795 1,494 4,555 (2) 1,463	23,802 3,666 4,662 456 6,944	256,543 44,089 57,902 2,960 57,821
209	Beverages Miscellaneous foods and kindred products	68	26	4,702 2,464	33,258 14,525	2,732 1,447	5,237 2,982	16,480 7,052	69,133 27,968	3,986 1,888	4,883 2,411	62,933 26,179
22 23 232 233 239	Textile mill products Apparel and related products Men's and boys' furnishings Women's and misses' outerwear, Fabricated textiles, n.e.c	15 135 19 15 76	6 39 6 6 20	1,112 8,334 325 374 7,379	7,621 53,306 1,175 1,341 50,283	863 7,147 265 317 6,331	1,898 14,716 476 567 13,324	5,378 42,794 938 1,007 40,371	17,546 87,140 1,749 2,332 82,102	2,229 (Z) (Z) (Z) 2,070	782 6,005 641 361 4,572	5,673 29,477 2,519 1,938 22,275
24 243 249	Lumber and wood products Millwork and related products. Miscellaneous wood products	131 74 36	28 15 8	2,289 1,047 1,000	11,631 5,893 4,766	1,857 828 825	3,470 1,504 1,582	8,300 4,105 3,436	22,848 12,405 8,418	1,020 528 (Z)	1,939 854 884	15,832 7,303 6,722
25 251 254	Furniture and fixtures	156 74 51	34 21 9	2,601 1,567 701	13,501 7,292 4,428	2,043 1,275 496	4,117 2,524 1,060	9,603 5,330 2,868	26,307 15,189 8,342	571 (Z) (Z)	2,750 1,733 771	24,550 15,441 6,856
26 264	Paper and allied products Paper and paperboard products.	82 45	36 17	4,550 2,049	28,864 12,559	3,455 1,587	7,447 3,314	19,389 8,088	54,584 28,578	2,379	4,035 2,020	38,562 19,902
27 271 272 274 275 278 279	Printing and publishing. Newspapers Periodicals. Miscellaneous publishing. Commercial printing. Bookbinding and related work. Printing trades services.	659 79 44 20 401 24 67	114 21 5 5 48 10 20	15,222 5,893 393 489 5,465 987 1,449	107,630 43,062 3,039 1,916 38,667 5,087 12,859	9,326 2,685 109 74 4,091 818 1,125	18,304 4,990 179 142 8,355 1,571 2,238	63,391 20,095 663 263 26,905 3,756 9,557	186,721 77,720 7,526 3,100 67,259 8,241 17,636	9,731 4,545 (Z) (Z) 3,925 (Z) 535	15,990 6,668 346 334 5,823 923 1,566	154,487 67,046 5,220 2,901 55,516 5,826 15,504

MICHIGAN 9

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1998—Continued

(See text for explanation of column captions)

						196	3				19	58
			shments,	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
Code	Industry group		With 20 or more						added by manufac- ture	expend- itures, new1	employ- ees, number	added by manufac- ture
		Total	employ- ees	Number	(\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	(\$1,000)	(\$1,000)	namoc1	(\$1,000)
						DETR	OIT SMSA-C	ontinued				
28	Chemicals and allied products	262	74	15,538	112,801	9,646	19,455	62,143	324,333	14,978	16,517	240,835
281 282	Basic chemicals Fibers, plastics, rubbers	37 17	13	5,782 451	43,846 3,307	3,792 262	7,657	27,088	95,143 14,965	11,048 (Z)	6,633 484	90,881 6,828
283	Drugs	29	10	4,456	31,317	2,867	5,546	1,799 17,721	117,846	1,000	4,781	79,029
285 289	Paints and allied products Miscellaneous chemical	52	21	2,795	20,756	1,585	3,268	9,450	53,677	1,389	2,720	35,865
	products	54	14	1,134	7,737	621	1,328	3,404	27,795	721	909	15,490
29 295	Petroleum and coal products Paving and roofing materials	17	12	1,330 311	10,148 1,977	940 230	2,027 461	6,970 1,333	53,257 4,725	1,146 (Z)	1,390 391	29,098 4,972
30	Rubber and plastics products,											
307	n.e.c Plastics products, n.e.c	153 116	51 37	10,097 3,642	62,383 17,565	7,717 2,928	14,745 5,932	42,708 12,059	114,636 30,964	6,836 2,263	8,259 1,937	77,276 16,082
32	Stone, clay and glass products	262	82	9,385	61,586	7,187	14,624	41,886	154,282	7,190	8,161	87,447
323 327	Products of purchased glass Concrete and plaster products.	22 147	7 44	1,534 3,012	9,629 21,020	1,159 2,027	2,352 4,403	6,340 12,633	35,063 51,791	(Z) 4,623	843 2,786	10,084 30,123
329	Nonmetallic mineral products	60	19	1,645	10,453	1,261	2,450	6,567	20,988	866	1,311	12,979
33 331	Primary metal industries Steel rolling and finishing	279 32	149 25	44,412 24,925	350,832 207,152	36,992	76,391 41,778	272,676 160,837	745,798 494,555	69,190 61,194	37,980 20,239	432,780 265,002
332	Iron and steel foundries	29	22	7,923	61,358	20,656 7,026	14,803	50,950	108,929	2,665	7,302	66,373
335	Nonferrous rolling and drawing	22	14	3,272	23,650	2,498	5,448	16,830	45,554	1,870	3,264	38,369
336 339	Nonferrous foundries Primary metal industries,	74	27	2,331	14,717	1,973	3,840	11,276	20,753	766	2,458	20,668
227	n.e.c.	105	55	5,571	41,248	4,388	9,624	30,809	68,708	2,666	4,422	40,987
34 342	Fabricated metal-products Cutlery, hand tools, hardware.	1,228	442 25	43,429	284,807 43,063	34,853 5,015	73,579 10,794	203,872 33,914	526,002 92,785	22,325 4,952	41,546 6,460	367,528 49,835
344	Structural metal products	293	91	5,963 8,152	51,442	6,208	12,677	34,929	89,911	3,888	9,498	88,218
345 346	Screw machine products Metal stampings	222	81 105	6,978 9,670	50,420 63,054	5,649 7,866	12,799 16,473	36,484 44,149	93,428 114,494	4,245	5,512 9,215	52,928 93,910
347 348	Metal services, n.e.c Fabricated wire products,	236	69	4,057	20,740	3,359	6,802	15,113	36,174	1,723	2,374	17,669
	n.e.c	48	17	1,934	12,284	1,535	3,234	8,245	21,259	827	2,693	17,603
349	Fabricated metal products,	100	45	4,936	32,667	3,917	8,145	23,564	57,874	1,462	4,767	37,774
35	Machinery, except electrical	2,127	589	74,776	586,673	58,411	125,936	429,520	1,044,582	35,043	72,216	731,322
351 353	Engines and turbines	12	7	4,416	31,820	2,910	5,852	18,758	80,192	(D)	5,461	68,260
354	equipment Metalworking machinery	70 1,184	32 380	4,902 39,114	37,371 325,923	3,416 30,099	6,510 68,617	22,323 246,024	68,111 519,913	1,592 20,397	4,361 32,236	41,756 336,778
355	Special industry machinery	46	15	1,805	15,190	1,142	2,439	7,142	43,141	633	2,044	36,609
356 358	General industrial machinery Service industry machines	236 36	61 7	8,971 657	68,211 4,332	7,296 497	15,526 962	52,831 2,778	122,500 7,124	4,541 (Z)	10,429	83,539 17,002
359	Miscellaneous machinery	518	73	5,606	38,129	4,624	9,732	29,554	67,672	3,665	4,203	38,010
36 3 61	Electrical machinery Electric distribution products	200 28	67 11	6,391 1,290	44,204 9,522	4,610 878	9,647 1,721	27,335 5,529	70,768 13,823	2,323 (Z)	6,614 2,710	66,685 27,632
362 363	Electric industrial apparatus. Household appliances	54 20	25 5	2,094 291	16,094 2,045	1,351 211	2,899 438	8,875 1,137	25,852 3,982	525 (Z)	1,463 513	14,709 4,446
364	Lighting and wiring devices	30	9	1,171	6,323	952	1,888	4,699	11,826	(Z)	705	8,397
366 367	Communication equipment Electronic components	13 23	5 6	500 452	4,993 2,253	369 352	726 730	3,379 1,558	6,478 4,617	(Z) (Z)	378 518	3,853 4,400
369	Electrical products, n.e.c	26	6	573	2,882	479	1,007	2,005	5,050	(Z)	308	3,069
37 371	Transportation equipment Motor vehicles and equipment	319 211	147 108	153,405 143,637	1,212,765	125,845 119,432	280,966 268,343	945,050 901,986	2,786,745 2,684,356	153,582 150,306	141,542 130,377	1,585,687 1,504,768
372	Aircraft and parts	59	30	6,721	54,911	4,052	8,154	28,862	72,844	2,479	8,472	59,987
38 382	Instruments and related products Mechanical measuring devices	69 22	13	2,144 1,371	14,489 9,535	1,370 814	2,748 1,606	8,677 5,680	26,334 15,701	943 (Z)	1,025 473	9,070 3,727
384	Medical instruments and supplies	21	2	422	2,727	299	622	1,545	5,392	(Z)	258	2,483
39	Miscellaneous manufacturing,	21		744	2,121	277	ULL			(2)	250	
394	including ordnance ³ Toys and sporting goods	219 35	53 8	5,022 1,100	30,350 4,751	3,777 951	7,612 1,946	19,445 3,623	60,929 11,191	1,666 620	13,323 523	148,862 4,080
398												
399 190	Miscellaneous manufactures3	142	36	3,288	21,755	2,441	4,896	13,726	42,614	919	12,231	140,298
	Administrative and auxiliary4	-	-	69,949	694,623	-	-	-	-	-	62,790	-
					(See fo	otnotes at	FLINT SM		description)		
	All industries, total ²	334	97	68,888	563,502	56,549	131,397	445,923	1,145,588	81,465	58,802	585,920
20	Food and kindred products	44	17	1,145	(D)	623	(D)	(D)	(D)	(D)	1,474	(D)
26	Paper and allied products	3	2	250	(D)	197	(2)	(D)	(2)	(D)	189	(D)
27	Printing and publishing	42	7	826	(D)	539	(D)	(D)	(D)	(D)	788	(D)
28	Chemicals and allied products	15	5	575	(D)	408	(D)	(D)	(D)	(D)	542	(D)
32	Stone, clay and glass products	27	6	334	(D)	202	(D)	(D)	(D)	(D)	281	(D)
0	ee footnotes at end of table											

Table 4. --CENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958--Continued (See text for explanation of column captions)

						196	3				19	58
ode	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new1 (\$1,000)	ees, number	manufac ture (\$1,000
						FI	INT SMSA —C	ontinued				
33	Primary metal industries	9	7	606	(D)	520	(D)	(D)	(D)	(D)	480	
	Fabricated metal products	56	20	7,031	(D)	5,978	(D)	(D)	(D)	(D)	5,852	
	Machinery, except electrical	54	10	575	(D)	470	(D)	(D)	(D)	(D)	527	
	Transportation equipment	25	13	56,652	(D)	46,899	(D)	(D)	(D)	(D)	47,959	
					(See fo		GRAND RAPID		description)		
	All industries, total ²	1,157	412	64,708	393,671	50,488	103,870	280,624	781,336	37,150	56,480	548,
20	Food and kindred products	131	39	4,320	21,580	2,829	5,610	11,636	49,992	2,346	4,967	44,
1	Meat products	20	7	537	2,605	400	753	1,450 1,495	6,245	(Z) (Z)	664	4,
2	DairiesBakery products	40 30	8 16	744 2,152	3,881 10,969	308 1,450	606 2,852	1,495 5,944	10,112 18,965	(Z) 857	968 2,389	9,
2						691					587	5,
_	Textile mill products	8	4	812	4,601		1,344	3,146	12,013	(Z)		
4 2	Lumber and wood products Sawmills and planing mills	78 26	17 3	1,284 267	6,410 1,101	1,069	2,149 488	4,633 892	10,065 1,728	532 (Z)	1,286 372	7,
3	Millwork and related products.	17	4	434	2,352	336	662	1,546	3,389	(z)	421	2
5	Furniture and fixtures	115	63	8,350	48,620	6,776	14,383	35,469	88,887	1,304	8,146	72
4	Household furniture Partitions and fixtures	77 21	41 8	3,900 780	18,952 4,545	3,352 617	7,042 1,402	14,973 3,036	88,887 31,249 5,952	(Z) (Z)	4,414 628	29 4
1												
	Paper and allied products	18	9	1,394	7,146	1,012	1,905	4,826	11,381	1,052	1,221	10
7	Printing and publishing Books	144 14	34 7	2,852 431	15,956 1,471	1,867 152	3,742 305	9,917 693	30,178 4,386	1,297 (Z)	2,757 349	22
5	Commercial printing	82	18	1,323	8,176	1,009	2,127	5,118	13,181	807	1,252	10
8	Chemicals and allied products Paints and allied products	41 10	13	1,782 438	11,377 3,402	1,132 227	2,352 469	5,665 1,346	32,562 5,792	1,805 (Z)	1,124 400	42 3
- 1	Rubber and plastics products,	10		430	3,402		407	1,540	3,176	(2)	,,,,	
	n.e.c	17	6	764	4,173	624	1,200	2,893	6,725	(Z)	578	4
2 7	Stone, clay and glass products Concrete and plaster products.	59 43	11	961 734	5,562 4,052	705 542	1,497 1,104	3,766 2,858	15,398 11,773	874 668	948 712	10 8
3	Primary metal industries	45	24	2,844	17,809	2,344	4,721	13,471	28,143	1,569	2,201	19
2	Iron and steel foundries	9	6	767	4,662	632	1,338 1,505	3,798	7,231 9,342	510	(D)	
5	Nonferrous rolling and drawing Nonferrous foundries	5 20	4	978 916	5,860 5,945	773 812	1,505	4,389 4,584	9,342	(Z) 504	(D) 714	7
4	Fabricated metal products	188	75	11,973	70,160	9,733	20,609	53,042	124,466	5,305	9,912	86
2	Cutlery, hand tools, hardware.	20	12	4,129	26,651	3,562	8,120	21,273	49,106	2,008	(D)	
4	Structural metal products	29 20	5 7	1,113 514	6,741 3,163	843 434	1,700 1,020	4,362 2,508	14,424 5,988	763 567	1,051 484	11
5	Screw machine products Metal stampings	29	14	1,534	9,262	1,259	2,586	6,727	16,523	557	1,026	7
7	Metal services, n.e.c	69	24	1,898	9,450	1,661	3,371	7,561	14,403	546	754	4
5	Machinery, except electrical Construction and like	181	57	8,032	54,689	6,156	13,154	37,182	121,876	4,376	5,214	52
4	equipment Metalworking machinery	14 76	5 20	633 2,094	4,705 14,871	366 1,618	743 3,512	2,098 10,550	12,124 28,102	(Z) 915	541 1,964	7 18
5	Special industry machinery	23	11	962	5,941	695	1,388	3,806	10,918	765	(D)	
5	General industrial machinery Miscellaneous machinery	22	6 5	581 354	4,326 1,726	421 301	871 615	2,688 1,392	7,345 2,847	(Z) (Z)	425 184	3
6	Electrical machinery	28	17	4,627	27,318	3,852	7,755	20,848	52,265	4,133	3,835	33
9	Miscellaneous manufacturing Toys and sporting goods	40	12 6	1,116 530	5,492 2,130	923 420	1,813 796	4,575 1,791	12,176 4,890	(Z) (Z)	789 270	6 2
_	Administrative and auxiliary4	_	_	302	2,647	_	_	-	-	_	165	
							TOLEDO S	1404				

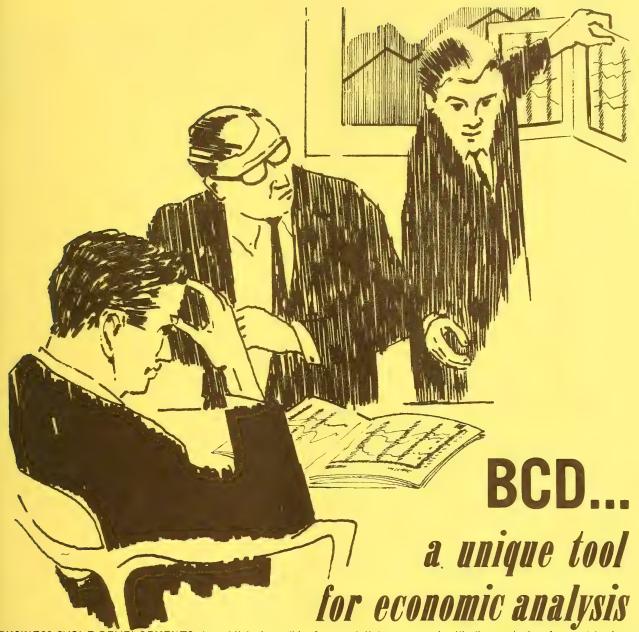
- Represents zero. n.e.c. Not elsewhere classified. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand. Revised.

¹Includes expenditures for both plants in operation and for plants under construction but not in operation.

²The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas, or (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

³Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories," Government owned and operated establishments are excluded.

⁴In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.



BUSINESS CYCLE DEVELOPMENTS is published monthly for specialists concerned with the analysis of current business conditions. It summarizes many of the available economic time series in convenient form for short-term evaluation and interpretation and supplements other Department of Commerce reports on the economy. The features of this report are:

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U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

WASHINGTON, D.C. 20233

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U.S. DEPARTMENT OF COMMERCE







Area series

MINNESOTA

preliminary report

Value added by manufacturing in 1963 in the State of Minnesota amounted to \$2,828 million an increase of 7 percent from 1962 and 38 percent from 1958. Of this total, \$585 million, was contributed by the food and kindred products industries and \$487 million by the nonelectrical machinery industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. For 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	All emp	loyees ¹	Pr	oduction worke	rs	Value	Capital	Index of	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963 1962 ⁹ 1961 ⁹ 1960 ⁹ 1959 ⁹	5,438 (NA) (NA) (NA) (NA) (NA) 5,317	1,542 (NA) (NA) (NA) (NA) 1,433	248,835 r238,779 r230,307 r229,697 r225,423 r220,689	rl,494,446 rl,389,115 rl,297,557 rl,246,773 rl,169,623 rl,093,927	166,483 161,975 155,613 157,035 154,176 149,563	333,950 319,272 309,218 310,154 306,235 293,859	868,148 812,093 753,217 730,055 695,085 654,942	2,827,660 2,643,655 2,475,952 2,375,198 2,338,955 2,050,405	159,489 139,413 139,797 116,871 104,875 108,619	113 108 104 104 102 100	138 121 116 114 100

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

June 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number.-This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture.-This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work. from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1967: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

MINNESOTA

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



Table 2.--GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

					196	3				19	58
State, standard metropolitan	Establi num	shments,	All emp	loyees ²	Pro	duction wor	kers	Value	Capital	All	Value
statistical areas, and counties	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
MINNESOTA, TOTAL	5,438	1,542	248,835	1,494,446	166,483	333,950	868,148	2,827,660	159,489	r _{220,689}	2,050,405
STANDARD METROPOLITAN STATISTICAL AREAS	2,430	1,542	2-0,033	1,474,440	100,405	333,730	333,143	2,027,000	155,465	220,007	2,030,403
Duluth-Superior ⁴	359	82	11,501	60,352	8,807	16,454	42,186	129,163	3,634	11,375	101,811
	54	16	1,292	7,723	903	1,794	5,065	18,633	744	1,343	12,981
	305	66	10,209	52,629	7,90 4	14,660	37,121	110,530	2,890	10,032	88,830
Fargo-Moorehead ⁵ Portion in Minnesota Portion in North Dakota	99	27	2,314	11,897	1,629	3,296	7,654	29,685	1,402	2,702	21,909
	31	9	723	3,615	510	1,175	2,256	11,252	721	736	5,039
	68	18	1,591	8,282	1,119	2,121	5,398	18,433	681	1,966	16,870
Minneapolis-St. Paul ⁶	2,599	966	166,637	1,071,015	103,790	206,844	576,295	1,972,060	99,133	r _{146,037}	1,396,579
Aitkin, Anoka, Becker, Beltrami, Benton,	30 83 36 45 36	. 28 . 5 . 4 . 8	264 6,178 431 324 904	951 38,762 1,459 1,152 4,693	'215 5,255 341 249 690	434 10,811 646 514 1,450	624 31,060 1,013 826 3,452	2,090 66,090 3,701 2,432 9,774	(Z) 2,013 (Z) (Z) (Z) 1,832	271 5,975 424 383 814	1,379 49,827 2,221 2,075 7,697
Big Stone, Blue Earth, Brown, Carlton, Carver,	6	2	267	585	224	242	363	817	(2)	365	1,114
	60	20	2,229	11,868	1,586	3,329	7,779	28,095	1,350	2,337	21,716
	55	21	1,552	7,795	1,210	2,646	5,739	21,841	1,746	1,586	10,339
	33	5	3,864	21,944	3,143	6,381	16,487	41,189	3,045	3,908	37,405
	38	8	818	3,780	678	1,475	2,843	7,460	946	646	5,459
Cass,	36	3	371	1,261	327	674	1,035	2,081	(Z)	320	1,678
Chisago,	29	3	295	1,215	240	464	870	7,105	(Z)	171	1,019
Clay,	31	9	723	3,615	510	1,175	2,256	11,252	721	736	5,039
Cottonwood,	19	4	345	1,571	296	659	1,312	7,753	(Z)	288	2,380
Crow Wing,	43	10	1,244	6,252	926	1,856	4,216	10,368	(D)	986	5,853
Dakota	75	29	9,014	58,218	7,011	14,468	44,874	108,878	15,580	8,469	90,811
Douglas	30	2	269	1,167	204	452	855	3,166	(Z)	350	2,416
Faribault	41	8	907	3,253	799	1,644	2,673	7,487	(Z)	797	5,936
Freeborn	49	14	3,267	20,488	2,406	5,179	14,275	35,922	1,380	3,436	27,940
Goodhue	58	20	2,324	11,875	1,897	3,845	8,396	26,205	1,259	2,241	19,339
Hennepin.	1,740	627	92,293	581,079	58,166	115,303	310,940	984,407	53,760	79,261	682,152
Hubbard.	30	1	324	830	288	435	652	1,359	(Z)	170	770
Itasca.	90	8	1,062	6,084	872	1,847	4,585	10,440	(D)	798	8,990
Kanabec.	14	6	415	1,779	308	696	1,270	3,190	(Z)	331	2,538
Kandiyohi.	38	7	987	3,670	807	1,697	2,676	6,429	(Z)	1,001	6,713
Lake	19	3	275	1,210	238	432	1,066	1,401	(Z)	399	1,784
Le Sueur.	33	12	1,834	8,352	1,099	2,350	3,996	11,603	509	1,102	8,080
Lyon,	28	8	699	2,439	574	1,223	1,702	6,203	(Z)	600	4,273
McLeod.	44	14	2,281	11,698	1,846	3,954	8,768	50,373	1,538	1,547	34,254
Martin Meeker Mille Lacs Morrison	31. 34. 33. 36.	5 6 6 8	1,257 429 384 761	5,913 2,060 1,443 3,142	957 290 329 625	1,916 625 666 1,302	4,077 1,237 1,127 2,468	16,139 3,608 3,886 6,936	1,159 (Z) (Z) (Z) 590	1,366 434 320 900	14,014 3,635 3,361 7,479
Nicollet.	25	5	468	1,696	350	741	717	6,213	(Z)	350	2,593
Nobles.	20	4	1,156	4,179	1,025	2,041	3,394	4,482	927	901	4,188
Olmsted.	55	16	4,761	32,280	2,715	5,835	15,146	35,608	3,869	3,586	30,553
Otter Tail.	71	18	1,088	4,349	772	1,474	2,787	10,351	618	945	7,564
Pennington.	17	5	276	1,023	215	401	656	2,236	(Z)	341	1,753
Pipestone	21 45 652 35 45	2 12 267 5	315 934 55,614 278 1,889	1,483 4,647 368,911 1,032 9,665	213 738 30,952 224 1,368	451 1,724 61,076 483 2,649	769 3,525 175,536 786 5,515	2,404 17,184 728,468 3,108 21,420	(Z) 745 20,916 (Z) 1,272	398 586 49,042 250 1,663	3,432 8,593 502,235 1,420 12,666
Rock,	15	3	290	1,682	213	533	1,093	2,195	(D)	277	1,530
Roseau,	18	2	308	1,334	231	543	911	2,471	(Z)	307	1,741
St. Louis,	305	66	10,209	52,629	7,904	14,660	37,121	110,530	2,890	10,032	88,830
Scott,	51	14	1,890	10,332	1,469	3,003	7,409	25,263	1,856	1,017	15,043
Sibley,	24	4	331	1,368	261	542	998	5,911	(Z)	234	1,766
Stearns,	119	27	3,730	17,936	2,853	6,093	12,581	30,408	1,008	4,090	29,088
Steele.	53	22	2,407	11,934	1,731	3,533	7,598	24,841	929	1,890	18,588
Todd,	28	6	586	2,339	544	1,004	1,933	3,097	885	466	3,156
Wabasha,	25	6	809	4,220	655	1,567	3,207	9,138	(Z)	726	6,647
Waseca	28	4	1,237	4,555	1,044	2,057	3,217	11,149	(Z)	1,229	10,405
Washington	49	15	3,538	24,045	2,406	5,186	13,885	84,217	6,864	3,290	71,554
Watonwan.	23	5	1,239	4,281	1,096	2,111	3,462	6,335	(Z)	885	2,966
Winona	100	45	4,675	21,857	3,516	7,152	14,620	43,175	2,730	3,612	36,019
Wright	53	11	1,245	4,291	1,036	2,025	3,197	10,087	799	635	5,934

⁽D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand. Revised.

*Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

*Includes employment and payroll at central administrative offices and awiliary units. (For a definition of these units see text.)

*Includes expenditures for both plants in operation and for plants under construction but not in operation.

*The Duluth-Superior Standard Metropolitan Statistical Area consists of St. Louis County, Minn., and Douglas County, Wis.

*The Fargo-Moorehead Standard Metropolitan Statistical Area consists of Cass County, N.D. and Clay County, Minn.

*The Minneapolis-St. Paul Standard Metropolitan Statistical Area consists of Anoka, Dakota, Hennepin, Ramsey, ari Washington Counties, Minn.

1963 CENSUS OF MANUFACTURES

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

						196	3				19	58
Code	Industry group	Establi	shments, ber	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
Code		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1	employ- ees, number	added by manufac- ture (\$1,000)
	All industries, total ²	5,438	1,542	248,835	1,494,446	166,483	333,950	868,148	2,827,660	159,489	r _{220,689}	2,050,405
20	Food and kindred products	1,102	349	48,398	272,713	35,311	70,717	186,210	585,189	30,355	51,761	518,442
201	Meat products	91	45	18,436	117,495	14,757	28,148	91,033	173,705	6,279	19,217	165,373
202	Dairies Canned and frozen foods	526 60	103 32	9,087 5,249	46,179 18,453	5,760 4,580	12,607 8,869	26,875 13,958	117,028 53,314	9,316 2,926	11,325 4,161	100,995 37,013
204	Grain mill products	121	38	3,217	20,595	2,156	4,703	12,251	66,300	2,407 733	3,734	54,577
207	Candy and related products	24	10	1,154	4,863	985	2,093	3,614	11,010	733	981	8,103
208	Beverages Miscellaneous foods and kindred products	98 69	31	4,328 2,175	27,658 12,852	2,641	5,079 3,217	16,589 7,587	74,647 37,341	5,391 1,264	4,944 2,581	73,415
22	Textile mill products:											
225	Knitting mills	10	6	1,788	7,262	1,318	2,639	4,546	8,336	(Z)	1,927 534	5,034
	Miscellaneous textile goods	9	5	553	2,549	446	881	1,879	9,481	(Z)		7,684
23 231	Apparel and related products Men's and boys' suits and coats	166	77	7,195 1,099	25,242 4,572	6,360 965	11,439	18,669 3,052	49,177 6,632	950 (Z)	7,735 1,323	42,040 7,209
232	Men's and boys' furnishings	27	22	2,426	8,064	2,195	3,765	6,105	19,332	(Z)	1,958	11,472
233	Women's and misses' outerwear. Fabricated textiles, n.e.c	28 67	17 19	1,311	4,695 4,882	1,171 1,274	2,053 2,502	3,685 3,638	8,040 8,170	(Z) (Z)	1,461 1,557	7,813 8,370
24	Lumber and wood products	686	70	6,979	29,597	5,768	11,613	22,094	56,004	3,791	7,185	54,336
241	Logging camps and contractors.	349	12	1,739	4,330	1,533	2,840	3,802	6,412	1,272	1,714	7,368
242 243	Sawmills and planing mills Millwork and related products.	161 109	11 30	933	2,485 16,761	808 2,324	1,427 5,150	2,190 11,553	4,705 33,114	716	998 3,346	4,202 33,377
244	Wooden containers	18	5	258	1,061	231	458	902	1,770	(Z)	407	2,610
249	Miscellaneous wood products	49	12	1,032	4,960	872	1,738	3,647	10,003	(Z)	720	6,779
25 251 254	Furniture and fixtures	131 76 28	32 17 9	2,714 1,586 716	13,953 7,702	2,202 1,307 599	4,519 2,743	10,072 5,319 3,309	22,612 12,078 6,825	745 (Z) (Z)	2,524 1,585 594	16,688 10,920 3,403
26		88	52		4,110		1,204			22,851	11,541	
264 265	Paper and allied products Paper and paperboard products. Paperboard containers and	46	23	13,623 3,997	81,499 22,095	10,790 3,038	22,715 6,154	59,830 14,933	178,005 64,392	7,949	2,417	148,118 45,335
	boxes	34	21	2,965	17,318	2,260	4,569	12,028	30,404	1,604	2,209	22,409
27	Printing and publishing Newspapers	859 318	156 36	21,955 6,583	126,404 34,664	13,191 3,394	24,512 5,955	71,032 17,527	208,019 65,713	9,350 3,773	20,556 6,327	164,441 52,403
272	Periodicals	59	10	1,010	5,796	146	268	730	13,114	(Z)	739	7,381
273	Books	30	9	2,213	13.475	1,601	3,004	8,086	22,072	(Z)	2.036	16,759
275 276	Commercial printing Manifold business forms	366 11	77 4	10,402	62,107 1,611	6,756 175	13,082 303	37,786 832	91,281 2,070	4,143 (Z)	9,901 141	76,697 1,004
278	Bookbinding and related work.	22	5	540	2,805	425	869	2,024	4,881	(2)	389	2,827
279	Printing trades services	35	10	635	4,604	468	874	3,306	6,978	(Z)	640	5,343
28	Chemicals and allied products	202	54	5,983	38,074	3,833	7,690	19,914	174,239	7,072	4,995	123,635
281	Basic chemicals	20 55	14	1,923	2,881 11,355	267 1,163	564 2,225	1,724 5,281	11,937 79,932	687 1,463	514 1,558	10,588 47,245
285	Paints and allied products	24	11	744	5,041	464	953	2,613	12,769	(Z)	784	8,479
287	Agricultural chemicals	45.	11	659	2,772	462	923	1,763	6,491	1,161	500	5,853
29 295	Petroleum and coal products Paving and roofing materials	25 12	13	1,474 514	10,780 3,111	954 384	2,104 830	6,200 2,001	41,899 6,389	16,031 (Z)	1,289 452	27,145 5,043
30	Rubber and plastics products,	119	. 33	3,934	19,627	3,139	6,302	13,553	39,870	2,739	2,106	15,071
307	Plastics products, n.e.c	91	24	2,831	13,577	2,225	4,456	9,121	27,115	1,894	1,122	7,584
32 328	Stone, clay and glass products Cut stone and stone products	368 32	72 18	11,079 1,811	71,010 9,405	7,178 1,376	14,650 3,040	39,325 6,463	160,118 12,945	7,368 (Z)	8,298 1,780	104,583 12,868
33	Primary metal industries	84 31	42 16	5,471 1,219	35,168 7,244	4,766 1,084	9,367 2,308	28,460 5,967	64,455 10,025	1,864 (Z)	5,559 921	47,311 5,992
336 339	Nonferrous foundries Primary metal industries,	21	10	1,217		1,004	2,500	2,907	10,025	(2)	721	3,372
	n.e.c	14	5	265	1,601	204	407	1,084	2,580	(Z)	134	1,567
34	Fabricated metal products	383	144	13,802	80,525	10,999	22,238	57,630	146,109	7,090	12,140	117,232
342 343	Cutlery, hand tools, hardware. Plumbing and heating, except	32	11	1,385	7,230	1,062	2,107	4,695	13,892	(Z)	1,581	12,158
ربد	electric	16	7	463	2,817	349	710	1,824	5,526	(Z)	457	4,884
344	Structural metal products	147 29	57 11	4,310 934	24,795	3,304 784	6,596 1,598	16,978 4,265	36,665 8,874	1,601	4,707 807	43,476
345 346	Screw machine products Metal stampings	48	29	2,507	5,569 14,374	1,986	4,068	10,022	23,138	1,425	1,450	6,540
347	Metal services, n.e.c	47	8	843	4,592	699	1,308	3,164	8,163	583	673	5,380
349	Fabricated metal products,	38	14	1,722	9,693	1,376	2,783	7,148	19,373	889	1,159	11,288
35	Machinery, except electrical	649	219	37,288	237,232	24,762	50,693	136,813	486,977	30,763	27,888	252,576
352	Farm machinery and equipment	86	40	6,292	33,428	4,868	9,347	24,268	70,260	2,385	4,404	45,082
353	Construction and like equipment.	61	27	5,364	32,760	3,617	7,557	20,297	58,631	3,211		37,196
354	Metalworking machinery	95	22	1,835	11,151	1,445	3.063	8,236	17,770	867	4,523 2,189	18,738
355	Special industry machinery	51	19	1,892	11,866	1,374	2,833	7,929	20,221	937	1,452	12,785
356 358	General industrial machinery Service industry machines	74 52	28 22	2,483 4,834	15,756 30,466	1,702 3,339	3,380 7,015	9,366 17,563	28,746 67,530	603 2,164	1,868 4,392	16,436 40,407
220	Miscellaneous machinery			2,917	17,089	2,430	5,121	13,325	27,374	1,428	2,150	17,526

Table 3. — GENERAL STATISTICS FOR THE STATE, BY SELECTED DIDUSTRY REPORT: 19-7 AM 195 1- option 4:

(See text for explanation of column captions)

	Industry group		1963										
Code		Establishments,		All employees		Production workers			Value added by	Capital expend-	All employ-	Value	
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new (\$1,000)	ees, number	added by manufac- ture (\$1,000)	
36 361	Electrical machinery	153	80	18,987	121,910	12,252	24,486	62,463	224,139	7,773	10,787	92,108	
362 346 367 369	products. Electric industrial apparatus Lighting and wiring devices. Electronic components. Electrical products, n.e.c	15 30 20 38 19	7 13 9 20 11		4,136 20,155 5,647 9,837 6,562	820 2,076 859 1,558 1,313	1,595 4,273 1,690 3,208 2,328	2,862 11,925 3,676 6,525 5,237	6,107 33,157 17,746 26,350 19,623	(Z) 1,264 1,350 765 (Z)	495 2,979 193 1,796	3,107 29,496 1,919 12,449 2,993	
37 372 379	Transportation equipment	111	38 9	8,086 3,627 216	55,670 24,661 912	6,656 3,188 181	6,116	43,228 20,573 667	131,497 31,691 1,705	3,137 (2)	8,739 4,187	97,821 28,443 766	
38	Instruments and related products	67	20	8,982	54,644	5,464	11,283	30,198	106,301	2,751	12,223	117,343	
39 394	Miscellaneous manufacturing, including ordnance ³ Toys and sporting goods	204 65	67 23	12,078 2,214	68,603 9,222	9,632	19,064 3,809	50,065 6,907	119,019 19,632	4,066 2,093	9,496 1,550	84,622 10,498	
	Administrative and auxiliary	-	-	16,754	133,518	-	-	-	-	-	F11,502	_	

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

(See	text	for exp	Lanation	01, 60	olumn c	aptions)

				(500 0020.	ion explana	0101 01 001		-,					
						196	3				19	58	
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value	
COLE		Total	With 20 or more employ-	Number	Payroll (42,000)	Number	Man-hours	Wages	manufac- ture (\$1,000)	itures, new1	ees, number	manufacture (\$1,000)	
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(91,000)	
			MINNEAPOLIS-ST. PAUL SYSA (See footnotes at end of table 2 for SMSA description)										
	All industries, total ²	2,599	966	166,637	1,071,015	103,790	206,844	576,295	1,972,060	99,133	r _{146,037}	1,396,579	
20 201	Food and kindred products Meat products	253 25	127 13	19,747	124,758 48,009	13,420 5,459	26,705 11,184	80,787 37,283	259,888 70,382	11,012	22,272 7,818	253,376 74,036	
202	Dairies	41	24	2,353	15,550	1,170	2,214	6,516	33,078	1,378	2,755	25,604	
204	Grain mill products	33	19	1,730	11,501	1,258	2,617	7,406	38,173	1,073	2,158	34,208	
205	Bakery products	49	25	2,315	14,461	1,601	2,862	7,662	23,696	836	2,934	23,538	
207 208	Candy and related products Beverages.	21 24	9	1,100 3,040	4,646 21,335	937 1,955	2,004 3,722	3,461 13,516	10,665 56,404	646 4,448	935 3,659	7,958 59,334	
209	Miscellaneous foods and	24	10	2,040	الالدومات	1,777	2,122	10,010	50,404	-1,-10	2,027	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	kindred products	40	16	1,365	8,453	879	1,793	4,492	25,351	811	1,793	27,273	
22	Textile mill products	13	6	1,400	6,217	953	1,907	3,583	7,471	(Z)	1,810	5,277	
225	Knitting milis	c	3	1,281	5,789	861	1,723	3,291	6,193	(Z)	1,652	4,046	
23 231	Apparel and related products Men's and boys' suits and	1.37	58	4,700	17,761	4,051	7,384	12,336	32,530	5 3 3	6,176	33,759	
	coats	13	7	884	3,973	765	1,420	2,567	5,464	(Z)	1,323	7,209	
232	Men's and boys' furnishings	13	13	1,095	4,298	914	1,576	2,686	8,608	(Z)	948	5,868	
233 239	Women's and misses' outerwear. Fabricated textiles, n.e.c	24 50	14	992 1,299	3,475 4,315	879 1,135	1,491 2,238	2,659 3,274	6,358 7,393	(Z) (Z)	1,403 1,455	7,367 7,749	
					-							34,554	
24 243	<pre>Lumber and wood products Millwork and related products.</pre>	58 53	25 10	2,505 1,995	14,940 12,555	1,964 1,509	4,329 3,454	10,390 8,459	31,030 26,269	1,371 1,08c	3,074 2,351	27,665	
249	Miscellaneous wood products	19	7	352	1,663	307	263	1,280	3,363	(Z)	5.10	5,553	
25	Furniture and fixtures	93	24	1,644	9,310	1,287	2,513	2,3%	15,126	(Z)	2,058	14,086	
251	Household furniture	54	13	1,062	6,159	830	1,654	4,015	9,787	(Z)	1,360	9,982	
26 265	Paper and allied products Paperboard containers and	71	40	5,578	31,583	4,301	8,677	21,554	60,040	3,973	4,556	13,921	
200	boxes	29	17	2,582	15,547	2,016	4,099	10,944	27,600	1,75	2,053	20,769	

Represents zero, n.e.c. Not elsewhere classified, (Z) Less than \$500 thousand,

'Includes expenditures for both plants in operation and for plants under construction out not in operation.

'The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

The ludes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

The addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued (See text for explanation of column captions)

				·····		196	idmir caption				1958	
Code	Industry group		shments,	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
oue	and day gaoup	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1	employ- ees, number	added by manufac- ture (\$1,000)
_					(41,000)	MINNEAPOLI		SMSA—Contin		(\$1,000)		(\$1,000)
27	Printing and publishing	416	108	17,252	105,753	10,251	18,696	58,848	172,034	7,667	16,546	136,798
272	Periodicals	44	9	725	4,372	11.3	205	595	10,643	(Z)	585	6,314
273 275	Books Commercial printing	23 238	7	2,122	13,052	1,541	2,885	7,815	21,409	(Z)	1,940	15,875
276	Manifold business forms	230	62 4	8,993 257	56,114 1,611	5,623 175	10,753 303	33,226 832	81,121 2,070	3,633 (Z)	8,840	70,188 825
278	Bookbinding and related work	20	4	503	2,646	403	824	1,911	4,630	(z)	385	2,810
279	Printing trades services	26	10	601	4,385	441	824	3,134	6,694	(z)	613	5,124
28	Chemicals and allied products	137	38	4,676	31,540	2,935	5,889	16,315	151,219	5,020	3,973	108,872
281 284	Basic chemicals	14	4	376	2,680	252	532	1,636	10,616	647	399	8,984
285	Cleaning and toilet goods Paints and allied products	49 23	11	1,683 722	10,101 4,904	1,004 454	1,918 934	4,606 2,558	73,196	1,395 (Z)	1,529 730	46,871 7,905
29	Petroleum and coal products	19	11	1,239	9,215	796	1.746	5,206	12,500 38,409	15,812	1,117	24,909
30	Rubber and plastics products,	. 1		1,200	9,213	7 70	1,740	7,200	30,409	17,012	1,111	24,505
	n.e.c	93	23	2,692	14,094	2,142	4,303	10,005	30,086	2,085	1,865	13,907
32	Stone, clay and glass products	91	28	6,071	46,127	3,225	6,289	21,403	116,395	4,272	3,566	68,035
33	Primary metal industries	60	33	2,477	15,370	2,142	4,492	12,314	24,881	1,447	1,960	16,236
332 336	Iron and steel foundries	15	10	853	5,623	749	1,567	4,630	10,303	608	774	7,216
339	Nonferrous foundries Primary metal industries,	25	14	1,118	6,782	1,001	2,149	5,618	9,483	(Z)	795	5,189
	n.e.c	13	5	260	1,581	200	398	1,070	2,550	(Z)	134	1,567
34	Fabricated metal products	300	119	10,808	63,993	8,650	17,329	45,741	109,010	5,269	9,619	89,180
342 343	Cutlery, hand tools, hardware. Plumbing and heating, except	22	4	460	2,150	347	618	1,122	5,167	(Z)	884	6,780
344	electric Structural metal products	11 115	6 49	401 3,810	2,612 22,365	299 2,953	616 5, 8 71	1,693 15,522	5,132 32,738	(Z) 988	457 4,053	4,844 36,607
345	Screw machine products	26	10	804	4,859	687	1,375	3,774	7,519	1,301	710	5,691
346	Metal stampings	44	28	2,430	14,097	1,912	3,916	9,761	22,741	986	1,239	9,522
347 349	Metal services, n.e.c Fabricated metal products.	37	7	758	4,231	624	1,161	2,864	7,365	533	591	4,706
747	n.e.c	26	11	1,170	6,585	969	1,976	5,072	11,837	716	903	8,597
35	Machinery, except electrical	451	162	28,087	180,734	18,466	37,430	104,309	398,337	24,877	21,571	200,794
352	Farm machinery and equipment	42	21	4,824	26,538	3,721	6,836	19,359	49,976	1,673	3,449	38,520
353	Construction and like equipment	35	21	3,952	24,750	2,602	5,415	15,174	41,469	1,833	3,412	27 262
354	Metalworking machinery	74	17	1,257	8,062	990	2,088	5,942	12,413	753	1,299	27,262 11,652
356	General industrial machinery	63	23	2,227	14,514	1,497	2,951	8,497	26,816	547	1,622	14,221
358 359	Service industry machines Miscellaneous machinery	41	18	3,965	25,082	2,688	5,712	14,087	53,159	1,718	3,917	36,082
		144	,39	2,300	13,978	1,918	4,064	10,825	21,552	1,237	1,654	13,833
36 361	Electrical machinery Electrical distribution	118	66	16,241	109,162	9,996	19,954	53,744	194,292	6,430	7,186	67,662
	products	10	5	699	2,418	568	1,092	1,915	3,396	(Z)	170	1,447
362	Electric industrial apparatus.	24	11	2,791	18,934	1,868	3,837	11,021	31,162	1,245	2,679	27,834
367	Electronic components	32	18	1,768	9,117	1,371	2,799	6,364	24,446	715	1,364	8,919
37 3 73	Transportation equipment Ship and boat building	63 14	27	7,041 317	51,007 1,465	5,812 252	12,344 487	39,944 1,065	123,077 2,742	2,557 (Z)	7,507 299	88,049 3,182
39	Miscellaneous manufacturing,	125	60	0.020	50 126	7 062	15 672	12 100	302 /0/	2 500	7 0//	70 770
394	including ordnance ³ Toys and sporting goods	135 36	52 15	9,932 1,646	59,136 7,070	7,963 1,472	15,673 2,749	43,409 5,260	102,404 15,696	3,500 1,884	7,946 1,306	70,783 7,925
398)											
399 190	Miscellaneous manufactures ³	73	29	7,782	49,886	6,161	12,302	36,903	81,834	1,550	6,368	60,736
	Administrative and auxiliary4	. –	-	15,649	126,074	-	-	-	-	-	r _{10,901}	-

Represents zero, n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand. Revised.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

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In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments are included in the totals for the areas.

USCOMM-DC USCOMM--DC





1963 CENSUS OF MANUFACTURES



Area series

MISSISSIPPI

preliminary report

Value added by manufacturing in 1963 in the State of Mississippi amounted to \$1,022 million, an increase of 20 percent from 1962 and 59 percent from 1958. Of this total, \$135 million was contributed by the Lumber and Wood Products industries and \$133 million by the Food and Kindred Products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments, ber	All employees1		Pr	oduction worke	rs	Value	Capital	Index of change (1958 = 100)	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	2,366 (NA) (NA) (NA) (NA) (NA) 2,414	850 (NA) (NA) (NA) (NA) (NA)	128,309 119,615 111,478 108,889 111,117 108,539	486,765 427,989 378,274 358,164 365,685 354,414	107,968 100,832 92,859 91,151 93,804 92,468	214,125 197,215 181,103 175,350 184,322 178,705	365,956 321,108 279,384 268,973 278,783 280,849	1,022,498 848,877 759,486 697,394 706,214 642,175	62,773 109,125 39,302 40,862 63,900 67,665	118 110 103 100 102 100	159 132 118 108 110 100

Anothese employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of imited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS, A. Ross Eckler, Director



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>—This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues,

Production workers, number.-This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours. --This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages.--This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

MISSISSIPPI

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20235.)



Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1 % 3 AND 13 S

(See text for explanation of column captions)

	T		· · · · · · · · · · · · · · · · · · ·	for explana	0101 01 001						
					196	3				19	58
State, standard metropolitan statistical areas,	Establi num	shments, ber	All emp	loyees²	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
and counties1	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ³	ees, number ²	manufac- ture (\$1,000)
MISSISSIPPI, TOTAL	2,366	850	128,309	486,765	107,968	214,125	365,956	1,022,498	62,773	108,539	642,175
STANDARD METROPOLITAN STATISTICAL AREAS											
Jackson ⁴	245	88	11,390	50,620	8,320	17,335	32,322	111,966	5,389	11,155	87,303
COUNT IES1											04 170
Adams	49 39	16 19	3,740 2,835	22,334 9,660	3,110 2,521	6,411 5,006	18,134 7,574	65,834 19,601	5,257 1,545	4,100 1,974	36,172 9,831
Amite	22 38	7 10	605 1,188	1,542 4,550	539 976	999 1,903	1,292 3,376	2,566 9,186	(Z) (Z)	287 910	1,082 5,804
Bolivar	25	6	1,250	4,401	1,081	2,240	3,449	10,548	(Z)	832	7,458
Calhoun. Chickasaw	29 32	9	1,461 2,265	4,256 7,002	1,357 1,902	2,725 3,848	3,757 5,333	6,964 13,721	(Z) (Z)	1,141 1,566	3,835 9,782
Choctaw	6 22	.4	542 640	1,433 1,997	508 576	999 1,170	1,321 1,616	1,707 7,336	(z) (z)	332 578	963 1,918
Clarke	22	5	1,199	3,560	1,111	2,161	3,148	7,163	(Z)	1,227	4,208
ClayCoahoma	19 28	10 16	2,203 1,422	9,634 5,782	1,961 1,106	4,132 2,340	7,833 3,980	9,022 13,390	640 658	1,946 1,290	13,326 8,882
Copiah	38	14	1,815	5,107	1,634	3,115	4,294	9,670	(Z)	1,216	4,574
De Soto	15 70	7 26	378 3,810	1,728 13,994	324 3,127	672 5,660	768 9,912	4,220 36,058	(Z) 1,402	3,529	740 24,170
George	14	3	371	891	351	703	816	1,415	(Z)	209	637
Greene. Grenada.	20 27	3 15	303 2,515	734 8,945	257 2,212	438 4,680	7,407	1,603 21,068	(Z) 1,243	1,222	1,812 5,847
Harrison. Hinds.	112 208	34 77	2,689 9,825	10,164 43,703	2,027 7,060	4,023 14,643	6,755 27,274	28,361 95,001	1,631 4,318	2,603 9,294	21,456 70,606
Holmes.	19	5	717	2,156	657	1,182	1,875	5,740	(Z)	294	1,112
Humphreys	12 17	3	380 1,870	1,097 5,073	352 1,772	674 3,376	935 4,707	1,878 8,440	(Z) (Z)	327 930	901 2,950
Jackson	57 14	25	8,881 621	54,388	7,402	14,118	38,875	100,047 1,852	7,661 (Z)	12,165 659	85,889 3,267
Jasper	8	2	299	2,062 705	280	480	1,275	854	(Z)	260	592
JonesLafayette	63 8	23	5,528 441	26,972	4,685 347	9,722	21,943 1,042	58,005 1,603	4,948 (Z)	5,748 276	42,074 1,416
Lauderdale	109	43	4,387	1,504 16,411	3,467	6,850	11,639	32,423	1,281	4,197	25,035
Lawrence	10 21	3	724 570	2,055	692 504	1,306 901	1,859 1,048	2,682 2,250	(Z) (Z)	716	2,901 1,390
Lee	68	37	5,987	1,367 20,036	5,058	10,259	15,530	43,545	2,423	4,205	26,720
LefloreLincoln	34 26	16 11	2,147 1,369	7,508 4,993	1,797 1,176	3,721 2,360	5,804 3,698	17,475 9,561	(Z) (Z)	733 1,266	5,612 6,121
Lowndes	46	26	4,081	16,106	3,321	6,690	11,306	32,169	1,513	3,714	20,596
Madison Marion.	33 27	16	1,482 1,399	4,858 4,149	1,224 1,256	2,580 2,478	3,569 3,286	7,767 9,169	821 (Z)	1,080 1,631	5,811 5,566
Marshall Monroe	18 50	9 25	1,406 4,343	4,698 12,937	1,161 3,866	2,000 7,546	3,451 10,871	9,900 28,690	(Z) 2,279	749 2,959	3,908 8,530
Montgomery	21	7	994	3,218	872	1,813	2,395	5,645	(Z)	754	3,220
Neshoba. Newton.	28 24	5 9	937 1,870	2,660 5,116	850 1,699	1,666 3,192	2,297 4,347	4,785 9,112	685 (Z)	836 1,373	3,191 4,404
Noxubee Oktibbeha	22 28	7 10	687 722	2,019 2,241	611 568	1,165 1,022	1,711 1,638	3,531 7,687	(Z) (Z)	391 662	1,316 3,778
Panola	25	9	1,079	3,372	918	1,833	2,595	7,370	(Z)	825	3,442
Pearl River	37 16	12	1,531 493	5,020 1,233	1,258 462	2,456 899	3,579 1,082	6,479 1,747	(Z) (Z)	1,675 384	6,712 1,126
Pike	47	19	2,589	7,711	2,261	4,449	6,028	11,214	847	2,451	8,391
Prentiss	14 22	10	915 2,109	2,471 5,698	858 1,960	1,594 3,676	2,204 4,955	4,152 10,409	(Z) (Z)	633 1,302	2,108 4,521
Rankin	37	11	1,565	6,917	1,260	2,692	5,048	16,965	1,071	1,861	16,697
Scott	30 15	12	2,010 435	5,535 1,086	1,869 385	3,543 739	4,831 907	19,347 1,487	1,551 (Z)	937 302	5,308 697
Stone Sunflower	25 16	6	448 1,275	1,818 4,272	403 1,121	900 2,154	1,615 3,574	2,750 8,483	(Z) (Z)	448 735	2,352 3,680
Tallahatchie	9	3	338	839	315	583	751	1,172	(Z)	149	198
Tippah Union	26 25	8 : 11	1,454 1,544	4,090 6,839	1,343 1,024	2,593 2,092	3,631 3,216	8,273 10,329	(Z) (Z) (Z)	791 1,148	3,744 5,656
Walthall Warren	9 49	1 24	549 2,870	1,583 12,490	522 2,217	902 4,631	1,477 8,944	1,872 22,551	(Z) 1,071	469 2,515	1,350 16,367
Washington	64	28	4,012	17,078	3,222	7,067	12,179	39,098	4.087	2,708	17,672
Wayne Webster	15 17	6	956 574	2,689 1,878	849 483	1,603 1,029	2,207 1,420	4,589 3,098	(Z) (Z) (Z) (Z) (Z)	600 243	1,819 784
WilkinsonWinston	37 21	5 4	592 575	1,665 2,307	534 372	1,064	1,431 1,317	2,142 5,777	(Z)	837 896	2,437 3,586
Yalobusha	13	3	797	1,997	746	1,125	1,799	4,778	(Z)	422	531
Yazoo	22	9	1,321	6,175	969	2,043	3,503	25,596	(D)	1,096	11,214

⁽D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand. Revised.

Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and auxiliary units, (For a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The Jackson Standard Metropolitan Statistical Area consists of Hinds and Rankin Counties, Mississippi.

1963 CENSUS OF MANUFACTURES

Table 3. - GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

						196	3				1958	
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new 1 (\$1,000)	ees, number	manufac- ture (\$1,000)
	All industries, total ²	2,366	850	128,309	486,765	107,968	214,125	365,956	1,022,498	62,773	108,539	642,175
20 201 202 209	Food and kindred products Meat products Dairies Miscellaneous foods and	424 80 63	188 36 36	14,614 5,384 2,153	53,665 18,584 9,176	9,755 4,579 941	20,484 9,366 2,065	31,454 14,024 3,601	133,437 33,111 24,649	8,109 2,225 1,600	13,144 3,606 2,102	97,269 21,135 17,787
	kindred products	83	31	1,756	6,714	1,374	3,176	4,706	20,937	1,275	1,851	12,060
22 225	Textile mill products Knitting mills	31 19	20 14	6,070 3,627	19,742 10,775	5,582 3,348	10,963 6,333	16,838 9,060	40,630 15,904	1,412 888	5,021 2,875	20,026 10,837
23 232 234	Apparel and related products Men's and boys' furnishings Women's and children's	143 86	126 84	31,170 23,937	83,393 64,040	29,328 22,607	53,717 41,482	73,462 56,447	129,313 97,376	2,044 1,552	23,876 18,134	76,024 55,818
239	underwear	14 20	14 8	2,638 955	6,716 2,914	2,422 868	4,324 1,609	5,935 2,309	12,122 4,713	(Z) (Z)	1,492 1,000	6,686 3,409
24 241 242 243 244 249	Lumber and wood products Logging comps and contractors. Saumills and planing mills Millwork and related products. Wooden containers Miscellaneous wood products	848 368 377 44 10 49	202 10 134 20 10 28	21,178 1,746 9,475 2,165 2,052 5,740	72,690 3,582 26,684 7,269 6,390 28,765	18,668 1,527 8,378 1,933 1,877 4,953	37,818 2,835 16,591 3,906 3,635 10,851	60,548 3,168 22,844 5,875 5,191 23,470	134,979 7,366 44,311 12,729 11,200 59,373	14,275 1,483 4,672 (Z) (Z) 7,487	(3) 1,860 10,786 2,466 2,429 (3)	(3) 5,133 30,663 9,966 10,419 (3)
25 251	Furniture and fixtures Household furniture	82 64	38 34	7,090 6,588	25,679 23,817	5,808 5,380	12,125 11,1 8 9	19,077 17,600	48,442 43,702	1,050 967	4,948 4,681	28,267 26,946
26 265	Paper and allied products Paperboard containers and	20	16	4,759	29,041	4,179	8,758	23,535	56,815	7,185	(3)	(3)
	boxes	10	8	626	2,706	494	1,067	1,852	4,452	(Z)	446	3,025
27 271 275	Printing and publishing Newspapers Commercial printing	197 98 78	25 17 7	2,253 1,508 622	9,261 6,348 2,457	1,361 817 456	2,707 1,642 903	5,372 3,375 1,699	17,589 12,424 4,281	844 (Z) (Z)	2,230 1,450 514	13,732 9,266 3,207
28 281 287	Chemicals and allied products Basic chemicals Agricultural chemicals	81 10 27	28 5 11	4,006 960 824	20,937 6,105 3,832	3,038 628 669	6,333 1,390 1,490	13,408 3,448 2,768	104,075 31,926 24,509	6,991 3,076 1,945	3,546 662 660	53,585 14,793 6,130
32 325 327	Stone, clay and glass products Structural clay products Concrete and plaster products.	148 22 103	54 19 22	4,689 1,443 1,490	19,792 5,427 5,431	3,816 1,200 1,130	7,992 2,542 2,346	14,700 3,925 3,675	53,265 10,320 15,266	3,627 1,183 1,365	4,012 1,051 1,277	36,185 6,951 10,045
33	Primary metal industries	1.3	7	585	2,738	472	966	1,978	7,380	(Z)	480	2,377
34 344	Fabricated metal products Structural metal products	113 78	38 20	5,208 2,386	23,604 11,613	4,393 2,016	9,405 4,332	17,352 8,782	53,264 27,142	3,346 1,252	2,698 1,946	20,009 14,562
35 353	Machinery, except electrical Construction and like	96	28	4,233	18,933	3,404	7,228	13,852	42,335	2,416	2,093	17,781
359	equipment Miscellaneous machinery	10 50	7 6	1,176 508	5,939 2,828	873 410	1,934 872	4,066 2,064	12,455 4,674	629 (Z)	748 371	5,776 3,309
36	Electrical machinery	33	24	5,261	19,574	4,464	8,347	14,716	49,437	4,172	3,000	27,920
37	Transportation equipment	40	18	8,309	47,914	6,659	12,824	33,293	60,450	3,181	11,340	70,287
39 394	Miscellaneous manufacturing Toys and sporting goods	40 8	10 2	2,688 301	9,332 1,002	2,401 261	4,901 497	7,534 793	26,338 1,732	648 (Z)	982 345	5,040 1,412
4-	Administrative and auxiliary4	_	_	727	5,256	-	-	-	-	_	337	-

Table 4. - CEMERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

(This State contained no standard metropolitan statistical areas with 40,000 or more manufacturing employees)

⁻ Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand. Revised.

1 Includes expenditures for both plants in operation and for plants under construction but not in operation.

2 The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

3 Not directly comparable due to the reclassification of Hardboard Products from Industry 2661 to 2497 in 1963. The combined totals for Group 24, Lumber and Wood Products, and Group 26, Paper and Allied Products, amounted to 27.724 employees and 4147.772 thousand value made by mounfacture in 1988.

4 In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plarts, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrablive offices and auxiliaries are included in the totals for the area.



BUSINESS CYCLE DEVELOPMENTS is published monthly for specialists concerned with the analysis of current business conditions. It summarizes many of the available economic time series in convenient form for short-term evaluation and interpretation and supplements other Department of Commerce reports on the economy. The features of this report are:

- The arrangement of series according to their usual timing relations during the course of the business cycle.
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About 90 principal indicators and over 300 components are used for the different measures shown. The movements of the series are shown against the background of the expansions and contractions of the general business cycle so that "leads" and "lags" can readily be detected and unusual cyclical developments spotted. Since almost all of the basic data presented in this report are available in other published sources, the value of BCD lies in its analytical arrangement and speed of publication.

The presentation and classification of the time series in the BCD report follows the business indicators approach. The classification of series and the business cycle turning dates are those designed by the National Bureau of Economic Research which, in recent years, has been a leader in this field of investigation.

For sale by the Government Printing Office, Washington, D.C. 20402. \$6 a year (\$1.50 additional for foreign mailing). Single copies, 60¢ each.

U.S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

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U.S. DEPARTMENT OF COMMERCE





1963 CENSUS OF MANUFACTURES



Area series

MISSOURI

preliminary report

Value added by manufacturing in 1963 in the State of Missouri amounted to \$4,424 million, an increase of 10 percent from 1962 and 36 percent from 1958. Of this total, \$1,132 million was contributed by the transportation equipment industries and \$632 million by the food and kindred products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1. -- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments, ber	All emp	oloyees1	Pr	roduction works	ers	Value	Capital	Index of	Change
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	6,392 (NA) (NA) (NA) (NA) 6,437	2,231 (NA) (NA) (NA) (NA) (NA) 2,215	391,592 383,104 373,479 392,727 391,446 380,373	2,236,813 2,066,261 1,927,935 1,966,558 1,918,298 1,770,445	276,452 272,761 263,672 280,109 282,243 271,463	548,129 535,017 513,571 545,808 552,914 519,349	1,362,952 1,277,892 1,178,858 1,222,829 1,188,925 1,088,712	4,424,148 r4,032,750 r3,644,839 r3,772,287 3,694,054 3,250,749	208,209 206,241 170,768 159,697 175,578 185,879	103 101 98 103 103	136 124 112 116 114 100

And Not available.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

August 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS, A. Ross Eckler, Director



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1965 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>—This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. -- This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

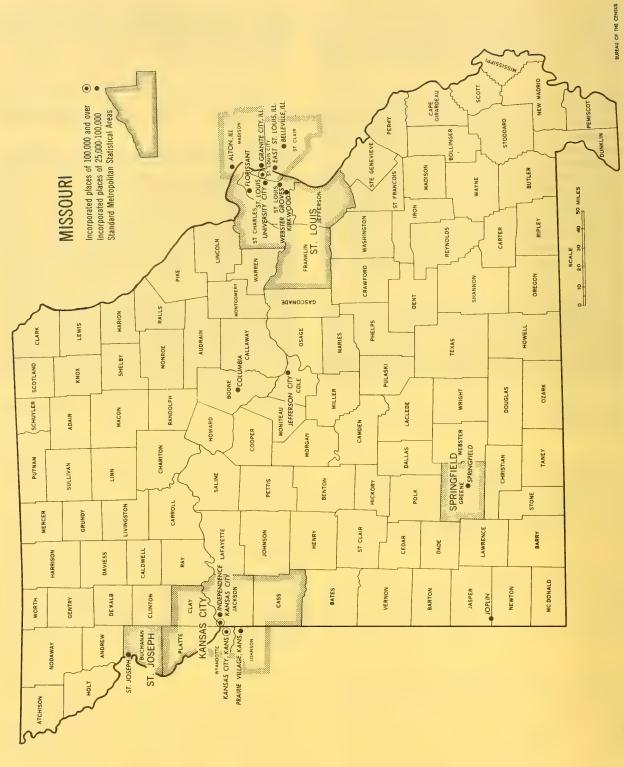


Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

	Ī					_					-0
					196	3				19	58
State, standard metropolitan		shments, ber	All emp	loyees ²	Pro	duction wor	kers	Value	Capital	All	Value
statistical areas, and counties ¹		With 20						added by manufac-	expend- itures,	employ- ees,	manufac-
	Total	or more employ-	Number	Payroll	Number	Man-hours	Wages	ture	new ³	number ²	ture
		ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
MISSOURI, TOTAL	6,392	2,231	391,592	2,236,813	276,452	548,129	1,362,952	4,424,148	208,209	380,373	3,250,749
STANDARD METROPOLITAN											
STATISTICAL AREAS			*** ((0	504 135	95 500	150.004	100 750	51 500 122	FIF 042	100 000	
Kansas City*	1,698	610 478	111,660 84,796	686,415 512,141	75,500 55,186	152,296	422,156 295,955	⁵ 1,508,433 ⁵ 1,035,583	75,861 56,933	102,960	1,069,063 765,843
Portion in Kansas	370 107	132 53	26,864 10,344	174,274 56,598	20,314 7,533	43,278 14,970	126,201 39,232	472,850 101,159	18,928 4,594	23,738 11,017	303,220 94,401
St. Louis 7	3,126 2,688	1,228 1,059	259,146 207,094	1,659,123 1,318,434	179,493 139,523	360,045 281,914	1,007,392 766,661	3,247,607 2,553,543	168,797 109,313	262,504 208,289	2,416,983 1,860,034
Portion in Illinois Springfield ⁸	438 189	169 70	52,052 11,119	340,689 51,110	39,970 8,438	78,131 16,615	240,731 35,212	694,064 119,018	59,484 4,696	54,215 8,618	556,949 78,286
COUNTIES1											
Adair	16	6	1,059	3,566	966	1,896	3,174	8,388	(Z)	964	5,602
Audrain	37 39	14 12	3,349 1,125	17,724 4,165	2,632 972	5,104 1,858	12,681 2,997	33,654 7,759	1,487 (Z)	2,973 899	26,750 5,015
Barton Bollinger	16 20	3 5	487 478	2,424 1,397	356 397	708 703	1,750 996	4,186 1,806	(Z)	584 312	5,010 804
Boone	47 107	16 53	1,389 10,344	7,828 56,598	892 7,533	1,820 14,970	4,204 39,232	17,475 101,159	836 4,594	1,385 11,017	9,503 94,401
ButlerCallaway	36 16	11 6	968 820	3,083 3,418	782 712	1,377	2,252 2,822	7,516 6,385	(Z) (Z)	837	4,549 7,315
Cape Girardeau	82	25	3,445	13,420	2,957	5,628	10,920	33,562	1,152	3,490	24,383
Carroll	13 10	3 5	495 587	1,766 2,040	439 541	918 1,034	1,367 1,816	3,965 3,615	(z) (z)	255 523	2,183 2,505
Chariton Christian	10 15	3 5	307 343	1,099	277 320	498 648	717 902	1,549 1,444	(Z) (Z)	231 168	1,371 721
Clay	120 43	65	10,194	59,888 8,113	7,354 1,637	13,813 3,241	39,401	173,968 15,939	9 ,21 2	8,991 2,183	139,095 12,710
CooperCrawford	17 24	6 8	994	3,793 3,323	777 900	1,534 1,672	6,132 2,544 2,890	7,780 6,536	(2) (2)	888	4,554 3,967
Daviess	9	2	334 788	832 2,383	2 5 3	520 1,311	702	1,275 5,138	(Z) 1,370	616 309 639	968 3,261
Dumklin	30	10	1,500	5,197	1,290	2,490	3,952	14,389	1.199	707	3,131
Franklin. Gascomade	74 15	34 7	4,844	19,170 5,109	4,165 1,364	8,154 2,535	15,536 4,643	40,020 12,160	1,716 (Z)	5,429 1,448	34,157 7,788
Greene Grundy	189 10	70	11,119 637	51,110 3,021	8,438 552	16,615 1,214	35,212 2,259	119,018 6,390	4,696 (D)	8,618 520	78,286 2,478
Henry	24	8 4	878 365	3,225 1,332	719 314	1,346 741	2,277	6,736 2,610	(Z) (Z)	687 77	5,037 436
Howell	49 24	12	1,517 422	4,736 1,293	1,385 390	2,545 735	1,118 3,979	11,155	(Z) (Z)	1,343 354	8,343 2,092
Jackson	1,170	405	74,116	450,586	47,399	94,438	1,145 255,139	2,534 859,306	47,478	69,694	.624,860
Jasper Jefferson	158 44	60 12	8,407 3,232	41,112 19,677	6,343 2,554	12,646 4,901	26,747 14,731	78,652 42,493	2,444	7,718 2,676	61,504 27,813
JohnsonLaclede	26 27	12	929 977	3,108 3,681	843 803	1,640 1,631	2,768 2,768	8,747 5,990	(Z) (Z)	982 794	5,029 1,777
Lafayette	26	10	728	2,378	634	1,176	1,906	3,823	(Z)	878	4,491
LawrenceLewisLincoln	40 10	14	1,738	6,684 1,588	1,476 270	3,026 579	5,197 1,396	16,125 2,402	1,331 (Z)	1,590 259	14,165 1,297
Linn	13 15	6	369 755	1,361 2,285	331 692	613 1,131	1,112 2,003	2,675 5,043	(z) (z)	411 683	2,101 4,276
Livingston	21 14	10	858 314	2,779 983	745 288	1,436	2,247 849	7,657 1,325	660 (Z)	605 161	2,514 629
Macon Maries	12 10	3 5	848 488	3,045 1,690	774 437	1,693	2,718 1,476	7,102 3,729	(Z) (Z)	853 414	3,611 2,318
Marion. Miller.	35 21	11 6	1,967 611	7,610 1,908	1,534 542	2,758 976	5,368 1,570	13,756 3,643	(Z) (Z)	2,502 922	13,425 3,979
Mississippi	20	3	609	1,741	572	919	1,562	3,152	(Z)	613	2,510
Moniteau Montgomery	17 21	6	876 553	2,793 2,077	773 499	1,289 1,043	2,124 1,598	4,625 3,254	(D) (Z)	771 361	3,355 2,877
Morgan	11 14	7	381 650	1,062 2,370	361 550	1,160	949 1,741	1,449 3,023	(z) (z)	305 51 4	1,053 2,190
Newton Oregon	38 i 17	15 1	2,274 312	12,783 798	1,650 285	3,181 445	7,733 719	23,639 2,320	506 (Z)	2,048 191	16,639 569
Osage. Pemiscot.	23	3	400 862	1,297 2,698	382 802	775 1,579	1,186 2,387	2,153 6,248	(z) 500	410 813	1,217 5,269
Perry	21	6	1,276	3,743	1,195	2,137	3,385	8,018	(2)	1,196	6,201
PettisPhelps	27	17	2,226 830	8,453 2,872	1,452	2,788 1,307	5,212 2,243	17,629 5,498	776 (Z)	2,396 965	15,593 5,491
Pike	21 12	10	1,112	5,023 868	927 260	1,803	3,663	13,145	(D) (Z)	1,162	9,390 520
Randolph Ripley	28 24	11	907 255	3,374 739	791 185	1,641	2,787	8,857 1,027	550 (2)	754 46	5,959 97
St. Charles	47 37	11 10	2,045 1,435	12,770 4,745	1,250 1,208	2,462 2,082	6,747 3,497	22,771 8,892	1,539	2,501	25,754
St. Louis	597 1,926	206 796	66,689	471,855 794,962	41,996 89,558	87,289 179,108	247,503 482,144	957,959 1,490,300	35.763	r 953,899 r 9143,784	r 9484,746 r91,287,564
See footnotes at end of table	2,700	, , , ,		1,7,502	00,000	2.7,200	1009277	1,,	00,007	2,2,104	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

See footnotes at end of table.

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958—Continued (See text for explanation of column captions)

					196	3				19	58	
State, standard metropolitan statistical areas	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value	
and counties ¹	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)	
COUNTIES1—Continued												
Ste. Genevieve. Saline. Seott. Shannon. Stoddard.	17 22 31 20 31	6 7 13 6 10	1,397 2,222 2,182 587 1,895	6,635 7,333 7,145 1,542 5,282	1,160 2,050 1,791 561 1,737	2,242 4,085 3,228 947 3,127	4,746 6,595 5,226 1,395 4,617	14,426 17,176 14,564 2,278 10,747	736 (Z) (Z) (Z) (Z)	1,240 2,154 2,237 317 1,609	11,707 12,375 10,797 1,700 7,481	
Texas. Vernon. Wright	36 16 18	8 4 2	1,168 433 672	3,593 1,355 2,086	1,086 391 597	2,098 785 1,080	3,207 1,148 1,632	6,923 2,300 3,728	(Z) (Z) (Z)	1,213 345 870	6,884 1,696 3,428	

(D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand. Revised.

1 Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

2 Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

3 Includes expenditures for both plants in operation and for plants under construction but not in operation.

4 The Kansas City Standard Metropolitan Statistical Area consists of Cass, Clay, Jackson and Platte Counties, Mo., and Johnson and Wyandotte Counties,

The Kansas City State of the St. Joseph Standard Metropolitan Statistical Area is coextensive with Buchanan County, Mo.

The St. Joseph Standard Metropolitan Statistical Area consists of St. Louis City, Franklin, Jefferson, St. Charles, and St. Louis Counties, Mo., and Madison and St. Clair Counties, Ill.

The St. Dischard Metropolitan Statistical Area is coextensive with Greene County, Mo.

Price Springfield Standard Metropolitan Statistical Area is coextensive with Greene County, Mo.

Previsions of published annual survey of manufactures volume data included in tabulation below.

St. Louis County and St. Louis City 1958-1962 DATA REVISED

	Establi num	shments, ber	All emp	Loyees ¹	Pro	duction work	kers	Value added by	Capital expend-
Counties	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures,
		ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)
					As publi	shed.			
St. Louis County									
.958	473	155	48,215	263,124	33,925	67,265	158,306	432,019	17,659
959	(NA) (NA)	(NA) (NA)	47,983 46,758	284,194	33,087 31,383	67,391 63,950	168,852 167,381	528,981 474,237	16,50 12,52
.960 .961	(NA)	(NA)	43,162	270,968	28,351	57,742	154,539	494,704	14,04
1962	(NA)	(NA)	46,817	311,543	31,079	63,602	172,735	554,667	27,343
					As revi	sed			
1958	478	160	53,899	300,896	35,814	71,107	168,258	484,746	25,02
1959	(NA)	(NA)	54,544	332,522	35,784	72,879	184,485	612,515	36,83
1960	(NA) (NA)	(NA) (NA)	57,781 52,530	356,745 332,912	37,689 33,174	76,414 66,691	201,585	583,904 596,578	17,660 20,23
1962	(NA)	(NA)	56,125	376,438	35,834	73,255	201,766	665,431	31,560
					As publi	shed			
St. Louis City									
1958	2,135	891	136,246	656,065	100,412	193,212	434,103	1,340,291	66,748
1959	(NA)	(NA)	140,730	714,929	104,585	206,436	470,812	1,472,797	73,33
1960	(NA)	(NA.)	144,076	746,578	106,859	208,210	501,597	1,575,701	62,079
1961	(NA) (NA)	(NA) (NA)	134,309 131,872	717,585	98,149 97,735	190,953 192,188	472,837 499,548	1,491,897 1,609,590	72,108 76,642
L/OC	(ILL)	(101)	252,012	1423.111	As revi		777,710	_,007,570	,
1958	2,130	886 (NA)	143,784	710,764	98,523	189,370 200,898	424,151 455,179	1,287,564 1,389,263	59,380 53,00
1959	(NA) (NA)	(NA)	147,381	759,072 769,023	101,888	195,746	467,393	1,466,034	56,94
1961	(NA)	(NA)	138,163	748,112	93,326	182,004	446,240	1,390,023	65,92
1962	(NA)	(NA)	135,786	773,053	92,980	182,535	470,517	1,498,826	72,420

¹The revised employment and payroll figures for St. Louis County and St. Louis City include the employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

MISSOURI

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED ENDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

_				(Dee beat	тог ехртана	196	umn caption				19	58
			shments,	All emp	1 ovees		duction wor	kers				
Sode	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	Value added by manufac- ture (\$1,000)	Capital expend- itures, new1 (\$1,000)	All employ- ees, number	Value added by manufac- ture (\$1,000)
	All industries, total ²	ć,392	2,231	391,592	2,236,813	276,452	548,129	1,362,952	34,424,148	208,209	380,373	3,250,749
20 201 202 203 204 207 208 209	Food and kindred products Meat products Dairies Carned and frozen foods Grain mill products Candy and related products Betwerges Miscellaneous foods and	846 158 138 44 107 26 128	343 61 66 15 35 15	47,966 11,042 6,997 2,412 4,722 1,467 9,261	274,046 64,929 39,423 8,905 26,282 5,090 62,974	32,240 8,893 3,685 2,166 3,200 1,189 6,354	63,576 17,482 7,671 4,681 6,899 2,142 11,777	170,355 48,649 18,060 7,385 18,292 3,673 41,987	631,991 95,710 79,671 27,983 95,126 8,124 182,364	34,831 6,756 4,619 783 6,981 (Z) 11,149	52,293 11,951 8,677 2,222 6,431 1,214 8,417	561,191 85,928 75,519 12,245 106,624 6,929 146,600
	kindred products	131	40	3,894	21,892	2,036	4,035	9,352	55,598	3,589	4,074	49,352
23 231	Apparel and related products Men's and boys' suits and	435	280	33,912	114,762	29,870	54,498	89,054	195,105	2,610	32,371	154,662
232 233 234	coats. Men's and boys' furnishings Women's and misses' outerwear. Women's and children's	22 85 124	17 70 94	3,037 10,361 11,122	11,027 31,357 41,434	2,620 9,438 9,600	4,880 17,045 17,143	8,231 25,802 30,762	18,056 50,487 71,682	(Z) 608 809	2,622 10,794 11,105	13,702 40,376 62,739
235 236 239	underwear. Millinery, hats and caps Children's outerwear. Fabricated textiles, n.e.c	10 45 13 119	9 34 6 38	1,155 3,050 1,019 3,085	3,333 8,998 3,592 11,643	1,001 2,717 873 2,614	1,670 5,201 1,501 5,234	2,511 7,586 2,708 8,452	6,527 15,151 7,061 20,893	(Z) (I) (Z) 522	916 2,572 583 2,866	4,363 10,779 3,088 17,182
24 242 243 244 249	Lumber and wood products Sawmills and planing mills Millwork and related products. Wooden containers Miscellaneous wood products	599 340 76 29 92	95 40 17 9 26	7,060 3,178 1,319 737 1,590	24,155 8,946 6,873 2,589 5,222	6,151 2,844 1,038 642 1,402	11,768 5,212 2,090 1,329 2,713	18,797 7,411 4,762 2,010 4,105	40,353 15,596 9,852 4,745 8,803	2,797 1,570 652 (Z)	6,932 2,985 1,231 689 1,880	32,771 11,542 7,838 3,011 10,163
25 251 254 259	Furniture and fixtures	199 111 45 29	69 37 18 9	5,091 2,533 1,240 831	25,124 11,458 8,001 2,588	4,125 2,066 993 667	3,188 3,906 1,875 1,442	17,876 8,223 5,521 1,855	43,431 21,341 10,400 5,810	1,016 559 (Z) (Z)	5,756 3,398 1,037 779	37,900 22,193 7,262 4,540
26 264 265	Paper and allied products Paper and paperboard products. Paperboard containers and	131 62	82 36	12,080 5,759	63,177 30,332	9,340 4,283	18,725 8,533	43,376 19,946	122,229 52,341	6,544 2,618	11,785 5,693	108,121 44,413
27 271 273 274 275 276 278	boxes. Printing and publishing Newspapers. Books Miscellaneous publishing. Commercial printing. Manifold business forms. Bookbinding and related work.	292 31 21 523 17 46	230 43 18 4 94 10 22	6,096 26,840 7,482 2,084 337 7,611 846 1,573	31,622 153,145 42,127 11,598 1,405 45,790 4,826 7,819	4,864 16,094 4,123 1,262 62 5,869 642 1,364	9,815 31,052 7,765 2,316 100 11,639 1,297 2,646	22,453 88,145 24,538 6,261 221 32,331 3,180 5,993	280,606 79,886 24,313 2,165 73,432 7,768 14,190	3,661 13,057 2,376 2,478 (Z) -,368 (Z) 756	5,801 26,584 7,439 2,180 414 8,046 878 1,177	60,687 221,090 61,436 20,586 3,030 61,037 6,150 7,665
279 281 283 284 285 287 289	Printing trades services. Chemicals and allied products. Basic chemicals. Drags. Cleaning and toilet goods. Paints and allied products. Agricultural chemicals. Miscellaneous chemical products.	394 27 62 95 65 34	16 132 21 27 22 30 13	1,018 20,068 7,059 3,391 3,380 2,869 1,299	7,337 130,925 52,074 19,806 20,929 17,941 8,133	764 12,170 4,424 2,035 2,173 1,482 726	1,425 24,525 8,796 4,125 4,389 3,099 1,494	5,317 69,478 30,351 9,553 11,727 75,595 3,657 5,130	10,368 393,365 123,851 68,093 100,297 47,046 22,294 27,444	(Z) 22,901 12,736 1,865 3,199 996 1,584	1,161 18,535 7,095 3,147 3,048 2,466 1,000	9,911 302,606 111,959 59,690 62,111 33,363 9,807 24,101
29	Petroleum and coal products	37	17	2,208	14,816	1,540	3,139	9,544	44,817	1,108	2,769	37,560
299	Petroleum and coal products,	19	9	952	5,678	583	1,155	3,076	19,354	(Z)	865	10,930
30 307	Rubber and plastics products, n.e.c	118 92	54 43	5,351 3,378	26,187 16,602	4,215 2,624	8,427 5,176	18,317 11,048	51,724 29,650	2,652 2,175	2,828 1,687	23,001 14,213
31 314 316	Leather and leather products Footwear, except rubber Luggage	157 79 10	123 72 5	27,309 21,706 783	88,476 67,591 2,785	25,233 20,454 716	45,136 36,016 1,385	74,757 59,563 2,333	183,834 148,292 4,117	3,094 2,306 (Z)	34,605 28,779 1,014	188,115 155,331 4,679
32 324 325 327	Stone, clay and glass products Cement, hydraulic Structural clay products Concrete and plaster products.	391 5 24 265	93 5 19 47	13,056 1,265 3,803 4,050	75,237 7,498 22,409 21,531	10,429 1,069 2,997 3,154	20,779 1,922 5,947 6,445	56,661 5,885 16,267 15,791	169,594 32,386 41,493 47,015	9,513 (Z) 2,648 4,582	14,113 1,504 3,551 4,615	160,219 30,293 35,277 46,696
33 331 332 336 339	Primary metal industries. Steel rolling and finishing. Iron and steel foundries. Nonferrous foundries. Primary metal industries, n.e.c.	120 8 37 46	66 II 5 26 20	12,624 4,645 4,172 1,785	80,957 36,403 23,713 9,368 2,056	10,218 3,355 3,658 1,538	20,113 6,449 7,197 3,099	58,862 23,188 19,683 7,569	151,003 75,474 37,414 15,913 3,617	4,659 (D) 1,187 603	13,575 5,291 4,117 2,562	131,716 69,851 27,066 21,015
S	ee footnotes at end of table.				_,050		0,7	2,	2,027	(2)	1.0	2,200

1963 CENSUS OF MANUFACTURES

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958—Continued

(See text for explanation of column captions)

						196	3				19	58
Code	Industry group		shments,	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
0000	mados J group	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures,	ees, number	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
34	Dalandarda matala mada ata	5/0	200	0/ /5/	246 220	30.00/	00.500	202.045	000 501	7.0.000	01.005	005.515
341	Fabricated metal products Metal cans	560 9	200	24,454	146,1 1 3 18,272	18,804 2,244	38,509 4,572	101,067 15,519	270,584 39,982	13,989	24,925	225,547
342	Cutlery, hand tools, hardware.	43	21	2,068	12,440	1,718	3,456	8,883	21,055	582	2,243 2,456	36,403 18,860
344	Structural metal products	222	77	9,300	56,224	6,816	13,963	37,299	99,282	2,985	11,493	94,001
345	Screw machine products	36	ii	1,043	6,182	787	1,692	4,135	10,921	583	1,204	8,944
346	Metal stampings	39	16	1,732	9,965	1,455	2,814	6,850	18,148	2,539	1,652	
348	Fabricated wire products.	7,	10	1,102	9,900	1,400	2,014	0,000	10,140	2,000	1,022	13,542
	n.e.c	36	18	1,951	10,748	1,467	2,985	6,788	21,039	1,256	1,922	19,016
349	Fabricated metal products,											
	n.e.c	51	20	3,004	17,707	2,115	4,340	11,395	35,798	1,139	1,931	20,110
35	Machinery, except electrical	629	164	26,243	156,997	18,512	37,421	100,814	275,412	11,789	20,775	185,897
352	Farm machinery and equipment	41	11	2,080	10,797	1,421	3,048	8,061	18,222	1,001	1,922	21,630
354	Metalworking machinery	146	32	3,032	18,916	2,348	4,866	12,921	33,436	1,992	2,197	21,072
355	Special industry machinery	58	17	1,954	12,401	1,083	2,199	5,770	22,149	2,387	1,820	12,798
356	General industrial machinery	72	20	2,277	14,449	1,699	3,357	9,874	26,678	538	1,618	16,738
358	Service industry machines	50	27	7,336	42,387	4,845	9,430	24,361	75,940	1,576	6,758	58,549
359	Miscellaneous machinery	204	32	6,154	37,659	4,699	9,611	27,366	58,834	1,691	4,571	38,605
36 361	Electrical machinery Electric distribution	152	86	24,222	128,318	18,785	38,498	87,821	235,621	10,191	21,717	172,183
201	products	15	10	4,102	21,210	3,175	7,178	14,670	36,390	(Z)	5,004	47,572
362	Electric industrial apparatus.	26	14	5,403	31,269	4,185	8,422	22,954	40,693	2,843	7,263	52,812
364	Lighting and wiring devices	46	26	4,263	24,765	3,068	6,177	14,523	54,035	1,885	3,618	33,671
366	Communication equipment	13	8	4,858	27,593	3,539	7,002	17,187	59,982	(D)	681	6,043
367	Electronic components	18	7	819	2,997	710	1,405	2,313	5,190	(z)	1,108	4,814
37	Transportation equipment	150	69	58,452	438,580	41,250	89,993	272,217	31,131,650	54.855	52,012	563,922
371	Motor vehicles and equipment	85	46	22,993	175,989	19,001	43,399	138,052	³ 618,486	33,016	17,857	316,361
373	Ship and boat building	21	6	1,029	4,989	897	1,792	4,008	7,272	(z)	1,118	9,377
379	Transportation equipment,	~_		_,	.,		_,	.,	.,	(2)	_,	
	n.e.c	21	4	391	1,571	334	660	1,247	3,605	(z)	280	1,571
38	Instruments and related products	88	31	3,634	20,575	2,717	5,344	13,337	44.544	1,124	3,227	27,606
384	Medical instruments and	88	31	2,024	20,575	۷,/1/	2,344	13,337	44,044	1,124	3,221	27,606
204	supplies	35	13	1,383	7,674	988	1,887	4,422	12,087	(z)	1,370	9,768
385	Ophthalmic goods	15	5	507	2,200	439	922	1,803	3,604	(z)	424	2,218
39	Miscellaneous manufacturing,											
	including ordnance4	255	83	17,600	104,461	12,163	23,545	62,368	134,334	8,763	16,579	99,400
394	Toys and sporting goods	60	22	2,571	9,050	2,127	3,977	6,787	14,032	608	2,935	16,298
395	Pens, pencils and office	20	9	201	2.016	(00	3 260	0 200		(a)	501	2 5/8
200	supplies	22	9	894	3,916	677	1,360	2,388	6,569	(Z)	584	3,547
398 399	Miscellaneous manufactures4	1.50	44	13,705	89,905	9,003	17,577	51,978	110,752	7,941	12,622	76,984
190	Miscellaneous manulactures	100	444	13,705	69,900	9,003	11,077	51,978	110,752	7,941	12,022	70,764
190	,											
	Administrative and auxiliary5			20,383	158,049						16,367	
	Admitted active and admittaly			رەرونى	100,049	-	-		-		10,507	_

⁽D) Withheld to avoid disclosing figures for individual companies. - Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500

- Represents zero.

1 Includes expenditures for both plants in operation and for plants under construction but not in operation.

2 The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

3 The 1960-1962 value added figures for the State of Missouri have been revised as follows:

		Value :	added by man	ufacture (\$1	,000)	
Industry		As published			As revised	
	1962	1961	1960	1962	1961	1960
All industries,	4,153,853	3,783,580	3,872,287	4,032,750	3,644,839	3,772,287
37 371	1,032,104 738,964	814,653 551,212	898,383 648,101	911,001 617,861	675,912 412,471	798,383 548,101

No revisions to the 1959 and earlier years data are required.

4Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments

ments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported <u>separately</u> for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

MISSOURI

Table 4. - SEMERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,001 OR MARE MANUFACTURING EMPLOYEES: 1003 AND 1003

(See text for explanation of column captions)

						196	3			·	19	58
			shments,	All emp	loyees	Pro	duction work	kers	Volue	Conitol	All	Value
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	Value added by manufac- ture (\$1,000)	Capital expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
			l			oinotes at	KANSAS CIT	Y SMSA	description)		
	All industries, total ²	1,698	610	111,660	686,415	75,500	152,296	422,156	³ 1,508,433	75,861	102,960	1, 69,563
20 201 202 204 205 203 209	Food and kindred products	171 26 19 32 23 15	91 14 12 21 14 3	16,204 5,446 1,392 2,554 3,306 999	98,796 36,838 9,067 14,808 18,554 5,982	10,252 4,126 537 1,689 1,920 489	20,641 8,431 1,121 3,553 3,747 991	60,003 28,090 2,985 10,340 10,017 2,477	220,595 51,104 15,097 54,184 38,090 17,798	10,833 1,536 2,875 3,328 1,054 614	17,464 5,816 1,653 3,369 3,319 997	201,119 45,840 16,182 57,339 35,850 12,795
23 232 233 239	Apparel and related products Men's and boys' furnishings Women's and misses' outerwear Fabricated textiles, n.e.c	123 17 42 39	71 15 31 12	8,320 1,765 4,234 807	33,855 6,755 18,711 3,564	6,790 1,348 3,502 655	12,753 2,546 6,539 1,288	23,012 4,156 12,530 2,364	54,412 12,337 28,857 5,924		8,131 2,166 4,091 1,129	42,981 6,736 25,726 7,408
24 243	Lumber and wood products Millwork and related products	50 27	9 5	772 490	4,070 2,823	629 393	1,273 792	2,92 ⁻⁷ 1,986	6,158 4,072	(Z) (Z)	783 418	5,253 2,960
25 251	Furniture and fixtures Household furniture	71 45	21 11	1,634 970	8,403 4,711	1,348 796	2,620 1,600	6,149 3,493	16,291 10,307	(Z) (Z)	1,584 943	13,357 9,057
26 264 265	Paper and allied products Paper and paperboard products Paperboard containers and	47 23	35 14	4,443 1,719	23,553 8,622	3,548 1,397	7,253 2,809	16,592 5,939	44,083 15,504	2,593 751	4,217 1,629	35,088 13,607
	boxes	19	18	2,551	13,939	2,006	3,669	9,871	26,574	1,637	2,394	19,349
27 272 273 275	Printing and publishing Periodicals Fooks Commercial printing	330 31 15 165	36 10 9 33	10,946 895 700 1,928	61,462 4,298 2,976 12,603	5,575 417 498 1,493	10,920 841 895 2,980	31,532 1,704 1,844 9,164	122,870 9,179 6,807 19,581	5,240 (Z) (Z) 1,529	9,628 581 628 2,023	89,521 5,193 5,365 16,548
28 283 285 287	Chemicals and allied products Drugs	117 27 230 8	40 8 11 5	5,465 617 1,484 806	36,051 3,937 8,996 4,975	3,079 294 751 387	6,330 613 1,620 762	17,478 1,427 3,655 1,574	157,159 7,321 26,861 12,889	4,281 546 (Z) 1,225	5,324 591 1,259 466	109,582 7,135 20,684 3,926
30 307	Rubber and plastics products, n.e.c	47 43	15 15	1,375 1,352	7,124 7,048	946 923	1,825 1,788	4,193 4,137	10,634 10,457	821 806	760 670	5,809 4,916
31 316	Leather and leather products	12 7	5 4	869 768	3,121 2,739	782 707	1,515 1,366	2,577 2,307	4,643 3,991	(Z) (Z)	966 836	4,743 ⁻ 3,982
32 327	Stone, clay and glass products. Concrete and plaster products	73 44	26 15	4,085 933	25,161 5,932	3,333 729	6,794 1,404	20,405 4,319	53,221 12,427	6,424 1,463	3,875 1,476	50,102 18,493
33	Primary metal industries	43	21	5,742	41,412	4,372	8,055	27,480	82,381	2,537	6,007	73,910
34 343	Fabricated metal products Plumbing and heating, except	191	60	6,280	36,022	4,814	9,491	24,742	75,549	2,446	7,448	59,185
344 346	electric Structural metal products Metal stampings.	13 75 10	5 27 3	3,050 325	1,894 18,204 1,132	343 2,247 269	704 4,548 337	1,552 12,116 735	2,469 34,021 3,340	(Z) 903 (Z)	429 4,952 241	2,158 35,929 1,723
35 352 353	Machinery, except electrical Farm machinery and equipment. Construction and like	181 21	48 8	7,322 1,354	44,774 7, <u>1</u> 25	4,736 910	9,483 2,011	25,993 5,505	80,647 13,166	6,081 874	5,285 1,033	48,548 13,584
354 355 356	equipment. Metalworking machinery Special industry machinery General industrial machinery.	18 36 24 15	7 9 7 3	1,194 457 732 752	8,513 3,037 4,156 4,597	715 376 427 457	1,410 800 873 903	4,057 2,281 2,053 2,684	12,494 4,858 7,597 10,323	2,126 (Z) (D) (Z)	491 329 -22 778	3,197 2,854 6,540 7,931
36 364 366 367	Electrical machinery. Lighting and wiring devices. Communication equipment Electronic components	63 12 10 15	32 7 6 9	8,291 633 4,742 1,291	42,928 2,282 26,269 4,816	6,499 529 3,564 1,106	13,046 1,035 7,059 2,222	29,160 1,604 16,813 3,648	88,921 4,404 59,265 6,196	4,806 (Z) (D) 597	3,046 426 603 1,081	21,017 2,238 5,650 4,830
37	Transportation equipment	45	17	11,489	93,552	9,392	21,912	73,024	³ 355,037	18,948	12,711	198,468
38 385	Instruments and related products Ophthalmic goods	29 7	7 2	663 319	3,044 1,276	506 277	1,014 555	2,095 1,012	5,248 1,998	(Z) (Z)	578 23 0	4,148 1,261
39 394	Miscellaneous manufacturing, including ordnance ⁴	78 17	16 5	11,176 451	76,068 1,648	7,404 362	14,419 650	44,846 1,242	86,343 2,848	7,738 (Z)	9,655 342	57,723 1,928
	Administrative and auxiliary ee footnotes at end of table.	-	-	4,487	32,160	-	-	-	-	-	2,672	-

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued

(See text for explanation of column captions)

_				Oee text	tor exptana		umn caption	5)				50
						196	3				19	58
Code	Industry group	Establi num	With 20	All emp	loyees	Pro	duction wor	kers	Value added by manufac-	Capital expend- itures,	All employ- ees,	Value added by manufac-
		Total	or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	(\$1,000)	new ¹ (\$1,000)	number	ture (\$1,000)
					(See fo	otnotes at	ST. LOUIS end of Tabl		description)		
	All industries, total ²	3,126	1,228	259,146	1,659,123	179,493	360,045	1,007,392	3,247,602	168,797	262,504	2,416,983
20 201 202 203 204	Food and kindred products Meat products Dairies. Canned and frozen foods Grain mill products	345 57 45 21 23	138 17 22 6 13	25,646 7,301 2,305 461 1,871	168,016 49,629 14,738 1,975 13,764	17,296 5,461 773 316 1,285	33,305 10,724 1,618 584 3,004	109,863 36,891 4,626 1,060 8,969	382,497 63,706 .27,486 3,310 46,280	20,463 1,745 1,324 (Z) 2,421	30,792 9,834 3,485 666 2,484	353,765 74,473 33,140 4,116 42,371
205 208 209	Bakery products Beverages Miscellaneous foods and	67 65	33 22	4,084 7,308	21,870 53,504	2,566 5,424	4,726 9,807	12,264 38,846	43,709 166,818	1,000 9,285	5,055 6,649	40,339 131,673
	kindred products	55	17	1,529	9,300	918	1,838	5,228	25,337	4,387	2,063	24,063
23 231	Apparel and related products Men's and boys' suits and coats	212	118	12,560 2,210	44,608 8,525	10,649	19,591 3,545	32,636 6,220	79,497 13,858	1,046 (Z)	13,229 2,072	70,477
232 233 234	Men's and boys' furnishings Women's and misses' outerwear Women's and children's	21 65	11 46	1,248 4,605	4,499 16,285	997 3,857	1,750 6,784	3,031 11,956	8,249 30,651	(Z) (Z)	1,235 5,727	6,658 30,346
235 239	underwear	7 28 69	7 21 20	742 1,620 1,754	2,037 5,218 6,589	1,503 1,482	1,044 2,912 3,010	1,357 4,467 4,740	3,293 8,329 12,314	(Z) (Z) (Z)	641 1,527 (D)	4,435 6,585 (D)
24 242 243 249	Lumber and wood products Sawmills and planing mills Millwork and related products Miscellaneous wood products	94 26 37 21	28 6 10 8	1,712 379 603 520	7,523 1,063 3,570 2,160	1,402 336 438 437	2,693 597 875 864	5,468 886 2,323 1,624	11,704 2,225 4,342 3,754	810 (Z) (Z) (Z)	2,019 352 658 790	12,846 2,036 4,841 4,972
25 251 254 259	Furniture and fixtures Household furniture Partitions and fixtures Furniture and fixtures,	102 47 28	41 22 11	3,510 1,511 953	17,605 6,946 6,346	2,802 1,239 706	5,735 2,318 1,450	12,365 4,951 4,264	29,236 12,160 7,833	731 (2) (2)	3,990 2,204 788	26,155 14,491 5,404
	n.e.c	20	5	631	1,718	512	1,113	1,176	4,212	(Z)	629	3,720
26 264 265	Paper and allied products Paper and paperboard products Paperboard containers and	82 34 44	51 18	7,038 3,066	40,654 17,517	5,262 2,124	10,754 4,301	26,582 10,580	65,532 28,868	5,651 1,728	(D) 3,039 (D)	(D) 22,744 (D)
27	boxes	502	31	3,674	20,266	2,861 8,372	5,897	14,054	30,931 138,067	3,558	13,859	114,714
272 273 275	Printing and publishing Periodicals Books. Commercial printing.	31 15 281	117 6 8 52	12,631 527 1,272 4,862	3,139 8,119 29,574	180 691 3,724	15,893 301 1,346 7,294	48,934 972 4,109 20,461	6,939 16,233 47,958	7,308 (Z) 2,568 2,485	1,052 1,408 5,424	9,449 14,720 41,815
28 281 283 284 285 289	Chemicals and allied products. Basic chemicals. Drugs. Cleming and toilet goods Paints and allied products Miscellaneous chemical	241 38 38 69 45	96 21 17 17 18	17,993 9,209 2,358 2,875 1,333	121,407 67,843 13,696 18,151 8,720	11,452 5,988 1,417 1,951 696	22,890 11,930 2,853 3,945 1,402	69,607 41,288 6,511 10,808 3,795	378,809 179,892 56,479 90,718 19,170	21,426 15,893 932 3,077 (2)	17,561 9,651 2,330 2,442 1,233	286,567 144,091 50,322 54,251 13,105
207	products	33	9	1,248	7,646	745	1,462	3,807	19,654	786	1,111	16,594
29 299	Petroleum and coal products Petroleum and coal products,	27	16 7	5,220 710	39,319	3,515 426	6,223 856	22,510	134,986	6,321 (Z)	6,871	94,358
30	Rubber and plastics products,	13	<i>'</i>	710	4,314	420	0,0	2,311	16,701	(2)	512	8,039
307	n.e.c Plastics products, n.e.c	69 53	33 23	2,665 1,657	14,395 8,241	2,146 1,375	4,398 2,771	10,081 5,937	26,455 16,546	1,402 1,147	1,866 904	17,124 8,658
31 313 314 317	Leather and leather products Footwear cut stock Footwear, except rubber Purses and small leather	78 29 22	51 18 16	6,959 1,192 3,636	24,998 4,441 12,034	6,422 1,018 3,657	10,972 1,944 5,689	18,808 3,284 9,625	38,211 6,351 19,601	1,051 (Z) 527	12,189 (D) 8,520	63,413 (D) 43,851
	goods	11	9	1,473	5,596	1,183	2,311	3,668	8,637	(Z)	1,071	6,174
32 325 329	Stone, clay and glass products. Structural clay products Nonmetallic mineral products.	167 12 28	55 11 9	9,643 1,111 745	58,315 6,146 4,452	8,080 926 615	16,306 1,802 1,266	46,406 4,729 3, 500	124,164 10,967 11,006	4,666 557 (Z)	10,169 1,069 946	116,188 9,268 10,817
33 332 335	Primary metal industries Iron and steel foundries Nonferrous rolling and	89 25	62 24	23,508 6,760	160,460 42,019	19,698 5,822	38,630 10,955	122,109 32,208	272,802 69,553	33,840 3,541	21,460 5,070	205,200 33,031
33 6 339	drawing	9 28	7 13	5,090 963	32,476 5,483	3,993 822	8,071 1,659	23,016 4,383	53,426 9,670	(D) (Z)	3,361 1,915	41,127 15,748
	n.e.c	8	5	330	1,661	267	561	1,174	3,646	(Z)	111	1,118

See footnotes at end of table.

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Table 4.—GEMERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued

(See text for explanation of column captions)

_						196	3			-	19	58
Code	Industry group		shments,	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
obac	Industry group	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures,	ees, number	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
			T			ST.	LOUIS SMSA-	-Continued	ī	1		1
34	Fabricated metal products	346	143	18,796	113,938	15,207	29,771	79,828	197,241	10,234	18,306	174,304
342	Cutlery, hand tools, hardware	26	16	1,831	11,030	1,526	3,083	7,939	17,577	513	2,033	15,297
343	Plumbing and heating, except		9	3 505	2 2/2	7.760	0.000	E 500	75.010	(2)	255	2 020
344	electric	18 124	46	1,525 6,218	8,247 39,162	1,163 4,491	2,269 9,277	5,507 25,826	15,918 67,026	(Z) 2,068	855 (D)	8,282 (D)
345	Screw machine products	25	12	1,017	6,083	767	1,620	4,070	10.654	537	(D)	(D)
346	Metal stampings	33	16	1,738	10,000	1,467	2,826	6,936	18,202	2,513	1,632	13,970
347 348	Metal services, n.e.c Fabricated wire products.	66	15	1,237	6,441	1,004	2,273	4,826	9,762	586	783	4,867
349	n.e.c	15	8	857	4,799	694	1,354	3,293	8,264	(Z)	1,073	9,431
	n.e.c	36	19	2,632	15,362	1,908	3,895	10,472	23,256	1,175	2,248	23,730
35 353	Machinery, except electrical Construction and like	385	108	17,652	111,394	12,853	25,885	74,921	186,639	5,349	16,540	151,031
	equipment	25	10	905	6,098	589	1,241	3,336	11,495	(Z)	856	9,159
354	Metalworking machinery	112	24	2,715	18,953	2,118	4,240	13,481	30,515	1,696	2,809	25,798
356 358	General industrial machinery. Service industry machines	59 31	15 18	1,379	8,961 29,801	1,061 3,551	2,067 6,945	6,234 18,023	17,392	(Z)	1,613 (D)	17,171 (D)
359	Miscellaneous machinery	119	29	5,243 5,709	35,336	4,345	8,875	25,737	53,839 55,304	1,225	(D)	(D)
36 361	Electrical machinery	91	47	13,861	77,696	10,466	21,516	52,826	125,998	4,632	16,311	136,661
	products	12	7	3,853	20,048	3,014	6,872	14,169	34,384	(Z)	4,906	46,410
362	Electric industrial apparatus	17	11	5,199	30,501	3,957	7,909	21,929	34,985	2,309	7,156	52,012
363	Household appliances	12	. 6	1,122	5,282	894	1,590	3,634	9,421	(Z)	1,376	9,409
364	Lighting and wiring devices	28	16	2,879	17,756	2,099	4,209	10,888	39,890	1,401	2,610	26,693
37	Transportation equipment	71	35	48,676	371,517	33,600	74,198	224,185	894,012	38,373	41,434	405,473
38 384	Instruments and related products Medical instruments and	52	20	2,747	16,629	2,013	3,892	10,524	37,851	987	(D)	(D)
30.4	supplies	21	9	1,119	6,426	801	1,511	3,648	10,145	(Z)	1,157	8,230
39	Miscellaneous manufacturing,		}									
	including ordnance4	147	59	9,599	48,995	6,395	12,685	29,102	97,258	3,750	9,733	84,281
394 395	Toys and sporting goods Pens, pencils, and office	25	10	1,061	4,015	787	1,638	2,863	7,152	(Z)	1,773	10,181
398	supplies	18	8	843	3,661	647	1,294	2,235	6,271	(Z)	517	3,061
399 190	Miscellaneous manufactures4	87	35	7,353	39,839	4,683	9,211	22,882	80,957	3,284	6,956	67,952
	Administrative and auxiliary ⁵	-	-	15,611	127,044	-	-	-	-	_	13,502	-

⁻ Represents zero.

		Value	added by ma	nufacture (\$	1,000)	
Industry		As published			As revised	
	1962	1961	1960	1962	1961	1960
All industries,	1,561,961	1,329,874	1,364,538	1,440,858	1,191,133	1,264,538
37	479,974	337,336	426,897	358,871	198,595	326,897

⁴ Includes data for privately owned and /or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments

n.e.c. Not elsewhere classified.

⁽D) Withheld to avoid disclosing figures for individual companies.

⁽Z) Less than

ments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage ware-houses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

U.S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

POSTAGE AND FEES PAID

U.S. DEPARTMENT OF COMMERCE







preliminary report

Area series

MONTANA

Value added by manufacturing in 1963 in the State of Montana amounted to \$235 million, an increase of 2 percent from 1962 and 23 percent from 1958. Of this total, \$67 million was contributed by the lumber and wood products industries and \$50 million by the food and kindred products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. For 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments, ber	All emp	All employees1		oduction worke	rs	Value	Capital expend-	Index of change (1958 = 100)	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963. 1962 ³ 1961 ³ 1960 ³ 1959 ³ 1958.	973 (NA) (NA) (NA) (NA) (NA) 925	191 (NA) (NA) (NA) (NA) 174	20,279 18,973 19,182 20,220 19,382 20,315	108,090 102,182 101,337 100,321 93,680 94,827	16,009 14,962 15,056 16,045 15,858 15,762	31,5% 29,7% 29,608 30,244 29,477 30,190	81,436 75,511 73,868 73,775 70,794 70,428	234,783 279,148 212,621 205,626 217,985 F191,245	27,960 23,370 18,170 (17,717) 16,648 £19,898	100 93 94 100 95 100	123 120 111 108 114 100

HA) Not available, 'le y', ad.

Includen employment and payroll at central administrative offices and suxiliary units. (For a definition of these units see text.)

The determinate derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parentheses may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

June 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS,



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

<u>Production workers</u>, wages.--This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

MONTANA

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

4



MONTANA

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

					196	3				1958	
State, standard metropolitan	Establishments, number		All employees ²		Production workers			Value added by	Capital	All	Value
statistical areas, and counties ¹	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	expend- itures, new ³	employ- ees, number ²	added by manufac- ture
		ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
MONTANA, TOTAL	973	191	20,279	108,090	16,009	31,530	81,436	234,783	27,960	20,315	r _{191,245}
STANDARD METROPOLITAN STATISTICAL AREAS											
Billings ⁴ Great Falls ⁵	101 61	22 25	2,543 2,884	15,854 15,888	1,777 2,065	3,565 3,721	10,186 10,365	45,751 42,583	8,218 1,943	2,655 2,786	r33,518 r39,416
COUNTIES1											
Cascade, Flathead, Gallatin, Lake, Lewis and Clark,	61 123 53 21 45	25 26 11 5	2,884 2,257 790 472 789	15,888 11,869 3,891 2,262 4,154	2,065 1,838 605 419 612	3,721 3,783 1,190 804 1,084	10,365 9,462 3,006 1,900 3,049	42,583 25,135 8,945 4,505 12,086	1,943 2,984 2,287 (Z) (Z)	2,786 1,868 771 212 723	r _{39,416} 17,044 7,666 1,206 4,436
Lincoln, Missoula, Ravalli, Sanders, Silver Bow, Yellowstone	83 91 36 34 45 101	11 30 8 7 8	1,809 3,464 459 511 772 2,543	9,293 18,689 1,838 2,737 4,378 15,854	1,570 2,901 405 494 535 1,777	3,158 5,824 839 952 1,051 3,565	7,734 15,000 1,635 2,646 3,016 10,186	13,251 36,058 3,178 4,327 9,905 45,751	660 6,694 (Z) (Z) 330 8,218	1,442 2,816 296 529 1,181 2,655	10,742 22,499 1,997 3,185 10,718 33,518

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

_		(See least for Expenie aton of Column Captions)										
			1958									
Code	Code Industry group	Establishments, number		All employees		Production workers			Value added by	Capital expend-	All employ-	Value
0040	in on the second	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures,	ees,	added by manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total2	973	191	20,279	108,090	16,009	31,530	81,436	234,783	27,960	20,315	F191,245
20 201 202 204 205 208	Food and kindred products	35 62 19	51 7 13 7 11 7	4,068 738 985 318 663 490	21,255 4,299 4,820 1,728 3,315 2,561	2,706 570 472 249 346 318	5,597 1,145 1,009 537 696 582	13,105 3,042 2,025 1,219 1,670 1,512	50,238 9,749 11,439 5,070 6,636 6,195	2,935 (Z) 763 (Z) (Z) (Z)	3,996 711 871 371 701 546	38,825 4,804 8,313 3,873 5,771 6,654
24 241 242 243	Lumber and wood products Logging camps and contractors. Sawmills and planing mills Millwork and related products.	434 228 174 25	85 26 47 10	8,325 1,667 5,372 1,204	41,043 7,370 26,993 6,331	7,426 1,511 4,765 1,085	14,707 2,892 9,436 2,248	35,298 6,727 22,890 5,397	67,294 15,411 43,059 8,326	9,256 2,893 5,552 802	6,669 1,000 4,985 568	47,549 6,412 36,110 4,406
27 271	Printing and publishing Newspapers	110 74	16 11	1,540 1,188	7,903 6,239	938 702	1,717 1,270	4,922 3,758	12,223 9,753	(Z) (Z)	1,889 1,589	14,021 12,135
29	Petroleum and coal products	10	6	841	6,504	642	1,299	4,693	27,384	7,685	1,065	r _{18,411}
34	Fabricated metal products	27	5	282	1,565	201	389	1,055	3,185	(Z)	317	2,461
	Administrative and auxiliary3	-	-	138	1,122	-	-	-	-	-	118	-

- Represents zero. (2) Less than \$500 thousand.

The vised.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

The addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

⁽Z) Less than \$500 thousand. The revised.

*Same counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

*Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

*Includes expenditures for both plants in operation and for plants under construction but not in operation.

*The Billings Standard Metropolitan Statistical Area is coextensive with Yellowstone County, Mont.

*The Great Falls Standard Metropolitan Statistical Area is coextensive with Cascade County, Mont.



PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
WASHINGTON, D.C. 20233

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1963 CENSUS OF MANUFACTURES



Area series

NEBRASKA

preliminary report

Value added by manufacturing in 1963 in the State of Nebraska amounted to \$743 million, an increase of 7 percent from 1962 and 39 percent from 1958. Of this total, \$315 million was contributed by the food and kindred products industries and \$65 million by the electrical machinery industries. the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. For 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	All employees1		Pr	roduction worke	ers	Value	Capital	Index of change (1958 = 100)	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963. 1962 ^a . 1961 ^a . 1960 ^a . 1959 ^a .	1,590 (NA) (NA) (NA) (NA) 1,536	46 (NA) (NA) (NA) (NA) 412	64,820 63,258 62,128 61,175 60,571 58,627	347,579 331,450 319,525 306,367 289,213 265,223	47,054 45,462 44,847 44,462 44,169 42,902	97,077 91,853 92,223 91,267 90,025 86,972	229,958 218,248 210,977 201,784 190,194 174,196	743,087 694,162 659,584 618,220 569,929 536,317	46,063 (43,560) (39,262) 33,788 35,521 49,906		139 129 123 115 106 100

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

*Includes expenditures for both swams in operation and for plants under construction but not in operation.

Includes emphasitures for both plants in operation and for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

July 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

<u>Production workers</u>, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

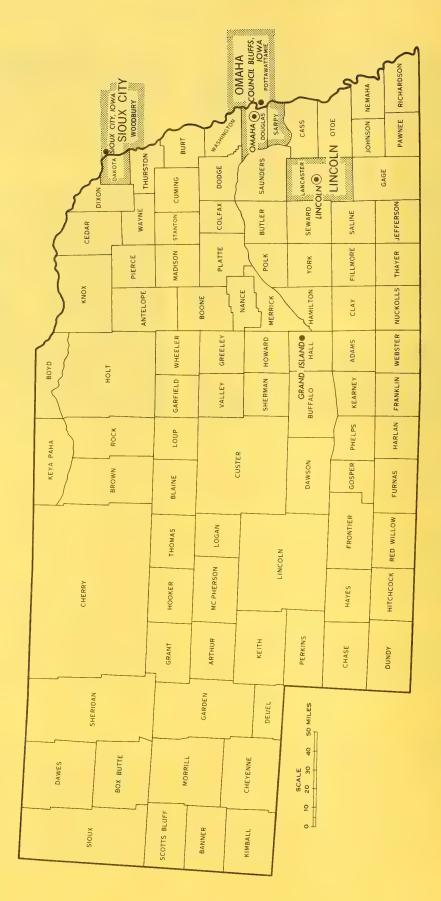
1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

NEBRASKA

Incorporated places of 100,000 and over Incorporated places of 25,000-100,000

Standard Metropolitan Statistical Areas



NEBRASKA

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

					196	i3				1958		
State, standard metropolitan statistical areas,		shments,	All emp	All employees ²		Production workers			Capital expend-	All employ-	Value added by	
and counties1	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	added by manufac- ture	itures, new3	ees, number ²	manufac- ture	
		ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
MEBRASKA, TOTAL	1,590	460	64,820	347,579	47,054	97,077	229,958	743,087	46,063	r _{58,627}	534,317	
STANDARD METROPOLITAN STATISTICAL AREAS									ı			
Lincoln ⁴	164	59 214	9,025 34,992	45,628 205,982	6,338 24,845	12,807 51,017	28,638 136,100	85,777 423,895	4,516 19,979	8,626 33,047	71,302 317,001	
Portion in Nebraska	524 61	197 17	33,214 1,778	197,479 8,503	23,642 1,203	48,451 2,566	131,135 4,965	405,633 18,262	18,574 1,405	31,098 1,949	303,246 13,755	
Sioux City ⁶	173 163	59 56	7,704 7,519	42,289 41,661	5,655 5,533	11,624	28,901 28,492	73,885 72,132	3,311 3,113	8,345 8,231	66,873 65,892	
Portion in Nebraska	10	3	185	628	122	233	409	1,753	(Z)	114	981	
COUNTIES1												
AdamsBuffalo	46 32	18 7	1,508 820	7,210 3,116	1,152 613	2,433 1,278	4,575 2,020	18,504 10,633	(D) (Z)	1,068 634	8,032 7,789	
Dawson Dodge	50 57	14	1,489 2,443	8,482 13,549	1,142 1,921	2,999 3,817	5,432 10,013	23,020 27,634	662 1,516	537 2,227	5,561 18,291	
Douglas	51.3	194	32,663	194,259	23,172	47,522	128,587	394,437	17,167	30,580	295,119	
Gage	19 50	9 20	1,384 1,417	6,036 6,819	1,004	2,036 1.901	3,741 3,867	10,575 12,296	(Z) 536	1,112 1,112	9,328 8,284	
Lancaster	164 23	59	9,025 456	45,628 2,236	6,338 287	12,807	28,638 1,471	85,777	4,516 (Z)	8,626 463	71,302 3,962	
Lincoln	30	10	736	3,162	501	1,084	1,788	4,612 9,880	1,326	534	4,477	
Nemaha	11 16	4 7	344 931	1,317 3,877	294 772	571 1,677	1,020 2,775	2,647	(z) (z)	332 768	1,182 6,014	
Platte	35	13	2,476	11,152	1,716	3,661	6,665	14,247 22,612	1,203	2,191	21,319	
Saline	16 11	5	689 551	3,053 3,220	585 470	1,139 929	2,400 2,548	7,385 11,196	733 1,407	567 518	3,785 8,127	
Scotts Bluff	46	15	1,470	7,486	1,188	2,246	5,309	18,729	1,308	1,320	14,503	
York	17	4	272	1,440	234	495	1,042	4,163	(Z)	236	1,926	

⁽D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand. Revised.

Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The lineoin Standard Metropolitan Statistical Area consists of Douglas and Sarpy Counties, Nebr., and Pottawatamie County, Iowa.

The Sioux City Standard Metropolitan Statistical Area consists of Woodbury County, Iowa and Dakota County, Nebr.

1963 CENSUS OF MANUFACTURES

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

			1958									
	ode Industry group		Establishments, All emplo			Pro	oduction wor	kers	Value Capital		All	Value
Code	industry group	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	added by manufac- ture	expend- itures, new1	employ- ees, number	added by manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total ²	1,590	460	64,820	347,579	47,054	97,077	229,958	743,087	46,063	r _{58,627}	536,317
20	Food and kindred products	480	183	26,693	150,124	19,252	40,286	103,014	314,679	16,349	27,680	264,967
201	Meat products Dairies	109 79	52 35	12,615 2,785	78,749 13,774	10,273	21,042 2,638	62,339 5,277	114,012 29,927	5,696 2,119	13,360 3,000	115,901 28,085
204	Grain mill products	143	44	3,558	20.309	2,560	6,359	14,044	67,748	4,016	3,190	42,362
208	Beverages	52	11	1,280	7,522	738	1,542	3,891	19,069	1,295	1,341	16,545
209	Miscellaneous foods and kindred products	43	14	1,147	5,771	807	1,711	3,454	28,105	1,287	1,176	18,720
000	A	33	11	1		3 /00	1	1	· ·			· ·
23 232	Apparel and related products Men's and boys' furnishings	5	5	1,661 439	4,665 1,143	1,490 415	2,742 759	3,92 4 990	7,627 1,494	(Z) (Z)	1,533 516	7,307
24	Lumber and wood products	46	11	908	4,526	761	1,694	3,272		(z)	810	/ 27.0
243	Millwork and related products.	27	8	506	2,699	405	913	1,889	7,318 4,430	(Z)	1,836	4,319 2,703
25	Possible and Control	40	13	3 256	6.779	929	7 07 5	2 402		510	3 000	0.000
251	Furniture and fixtures Household furniture	25	9	1,256 595	3,300	489	1,915 1,018	3,893 1,987	11,282 5,406	548 (Z)	1,033	8,093 4,739
27	Printing and publishing	357	46	5,512	28,138	3,481	6,975	17,103	50,238	3,111	5,058	40,861
271	Newspapers	177	20	2,643	13,376	1,492	2,898	7,211	26,031	1,938	2,609	21,926
272	Periodicals	12	2	481	2,374	300	559	1,339	4,573	(Z)	231	2,010
28	Chemicals and allied products	52	20	2,158	12,729	1,259	2,576	6,214	42,599	9,188	1,750	27,023
281	Basic chemicals	5	4	626	4,163	446	924	2,780	17,574	8,275	618	10,663
283 287	DrugsAgricultural chemicals	14 20	9 4	969 266	6,005 1,098	385 203	805 388	1,797 671	16,240 1,324	(Z) (Z)	644 163	8,012 1,547
30	Rubber and plastics products,											
0	n.e.c	14	7	1,410	8,209	1,147	2,439	6,317	15,379	1,160	1,146	9,799
32	Stone, clay and glass products	123	21	2,236	11,071	1,753	3,701	7,976	31,744	3,468	1,813	22,576
327	Concrete and plaster products.	100	14	1,490	6,888	1,129	2,439	4,725	16,853	1,430	1,085	9,769
33	Primary metal industries	18	12	1,840	11,292	1,440	2,992	8,055	26,000	1,933	1,108	20,383
34	Fabricated metal products	99	37	3,848	21,249	2,801	5,719	13,076	40,054	2,338	3,583	39,552
344	Structural metal products	66	28	2,610	14,320	1,840	3,603	7,858	26,673	1,837	2,537	26,612
35	Machinery, except electrical	154	35	3,309	16,728	2,508	5,207	12,836	47,664	1,399	3,252	27,588
352	Farm machinery and equipment	57	19	1,533	6,997	1,146	2,354	5,694	14,944	(Z)	1,661	14,445
356	General industrial machinery	11	6	1,114	6,362	822	1,723	4,508	26,440	680	913	8,521
36	Electrical machinery	29	1.2	5,450	29,335	3,972	7,923	18,909	65,055	2,676	3,349	22,796
37	Transportation equipment	29	15	3,389	17,668	2,680	5,683	11,871	34,096	724	2,064	16,724
371	Motor vehicles and equipment	14	9	1,708	9,653	1,355	3,020	6,125	23,408	556	818	6,366
39	Miscellaneous manufacturing,											
200	including ordnance3	68	13	1,688	6,496	1,408	2,798	4,700	14,735	712	1,786	10,004
398	Miscellaneous manufactures3	46	9	547	2,200	431	826	1,531	3,833	(Z)	1,082	5,004
190												
	Administrative and auxiliary4	-	_	880	7,303	-	_	-	_	-	918	-

⁻ Represents zero. n.e.c. Not elsewhere classified. (Z) Less tham \$500 thousand. Revised.

Includes expenditures for both plants in operation and plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Croup 19, "Ordnance and Accessories." Government owned and operated establishments are avoided.

Includes data for privately owned and/or operated establishments in Major Group 19, "Uronance and Accessories." Covernment owned and operated establishments excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported <u>separately</u> for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.



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1963 CENSUS OF MANUFACTURES



Area series

preliminary report

Value added by manufacturing in 1963 in the State of Nevada amounted to \$112 million, an increase of 11 percent from 1962 and 65 percent from 1958. Of this total, \$32 million was contributed by the Stone, Clay, and Glass Products Industry, the leading industry group in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	All emp	loyees ¹	Pr	oduction worke	rs	Value	Capital	Index of	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	282 (NA) (NA) (NA) (NA) (NA) 205	74 (NA) (NA) (NA) (NA) 45	6,965 r5,778 r5,563 5,347 5,209 5,034	43,499 F35,668 F33,246 30,978 29,462 27,095	4,999 r4,457 r4,176 3,772 3,726 3,677	9,947 18,990 18,470 7,711 7,542 7,418	29,415 *25,438 *23,585 21,034 20,362 18,868	111,733 F100,909 F92,659 72,416 66,632 67,591	8,760 (5,950) 3,580 5,437 5,510 5,155	138 115 111 106 103 100	165 147 137 107 99 100

(NA) Not applicable. TRevised.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

<u>Production workers, wages.--This item consists</u> of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

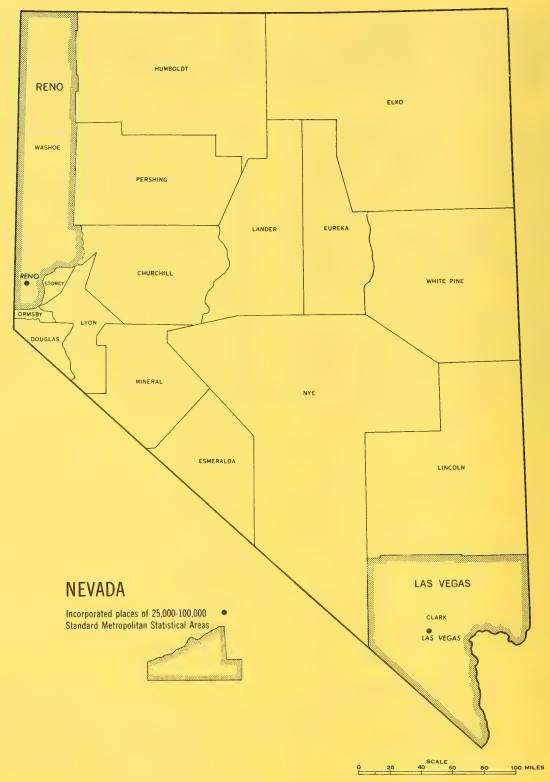
The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



NEVADA

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN TATISTICAL ARE W. . NO COUNTIES: 19 / AND 1956

(See text for explanation of column captions)

					196	3				19	58
State, standard metropolitan statistical areas,		shments,	All emp	loyees ²	Pro	duction wor	kers	Value	Capital	All	Value
and counties.	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
NEVADA, TOTAL	282	74	6,965	42,499	4,999	9,947	29,415	111,733	8,760	5,034	67,591
STANDARD METPOPOLITAN STATISTICAL AREAS											
Las Vegas ⁴ Renc ⁵	109 112	35 29	3,856 2,113	24,894 12,609	2,705 1,566	5,428 3,073	16,840 8,348	70,819 27,619	6,215 1,803	2,416 1,921	37,992 17,91
COUNTIES ¹											
Clark Wishoe	112	35 27	3,856 2,113	24,894 12,609	2,705 1,566	5,428 3,073	16,840 8,348	70,819 2 7,619	6.215 1,803	2,416 1,921	37,99 17,91

Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)
Includes expendit restor plants under construction but not in operation.
The Las Vegas Standard Metropolitan Statistical Area is coextensive with Clark County, Nevada.

The Reno Standard Metropolitan Statistical Area is coextensive with Washoe County, Nevada.

Table 3.-GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY CROUPS: 1963 AND 1958

(See text for explanation of column captions)

						196	3				19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
	industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
	All industries, total ²	252	~4	6,965	43,499	4,999	9,947	29,415	111,733	8,760	5,034	67,591
27 2 02	Food and kindred product Dairies	4n 11	15	1,011 465	6,431 3,004	491 162	989 319	2,664 1,019	11,376 3,793	757 (Z)	776 317	7,701 3,489
24	Lumber and weed products	24	4	362	1,067	327	614	1,647	4,654	297	504	3,526
27 271	Frinting and politicing	61 29	10	1,181 936	6,147 4,537	423 633	1,580 1,197	4,187 2,886	12,251 9,216	588 (Z)	700 521	6,776 5,334
32 32 7	Stone, May and glace products Concrete and plaster prod-	45 38	20	1,518 1,323	10,993 9,626	1,156 994	2,491	-,2cl 7,182	31,812 27,527	2,575 2,533	946 779	14,277
	Administrative and auxiliary ³ .	-	-	16	146	-	-	-	-	-	30	-

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

(This State contained no standard metropolitan statistical areas with 40,000 or more manufacturing employees)

⁻ Represents zero. (1) Less than \$5.0 thousand.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for list livel companies in this or accordance insurables or areas or (t) permit furtice according for Figures for smaller industry groups. Additional detail will appear in the final report for the State.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing contractive offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishments at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.



PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

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Area series

NEW HAMPSHIRE

preliminary report

Value added by manufacturing in 1963 in the State of New Hampshire amounted to \$654 million. an increase of 7 percent from 1962 and 33 percent from 1958. Of this total, \$107 million was contributed by the leather and leather products industries and \$105 million by the electrical machinery industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1 .-- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments, ber	All emp	oloyees ¹	Pr	oduction worke	rs	Value added by	Capital	Index of (1958	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	1,510 (NA) (NA) (NA) (NA) 1,446	543 (NA) (NA) (NA) (NA) 494	85,347 81,178 81,139 84,080 86,634 79,532		69,631 65,604 66,468 68,977 72,021 65,588	137,525 130,074 131,205 135,960 142,424 128,144	275,372 254,853 248,714 249,718 254,515 221,083	654,075 609,939 588,843 598,144 578,177 490,709	28,865 31,173 28,615 26,344 25,028 4-,365	107 102 102 100 109	133 124 120 102 118

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

April 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary BUREAU OF THE CENSUS



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ESTABLISHMENTS (PLANTS)

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CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

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Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more popula-tion) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



NEW HAMPSHIRE

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958 (See text for explanation of column captions)

					196	3				19	58
State, standard metropolitan	Establi num	shments, ber	All emp	loyees ²	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
statistical areas, and counties ¹	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ³ (\$1,000)	ees, number ²	manufac- ture (\$1,000)
NEW HAMPSHIRE, TOTAL	1,510	543	85,347	384,559	69,631	137,525	275,372	654,075	28,865	79,582	490,709
STANDARD METROPOLITAN STATISTICAL AREAS											
Lawrence-Haverhill ⁴	469 30 439	188 6 182	41,787 427 41,360	213,111 1,503 211,608	30,354 310 30,044	58,153 556 57,597	131,705 883 130,822	359,089 2,469 356,620	16,312 (Z) 16,062	^r 36,361 _r 163 _r 36,198	960
Manchester ⁵	212	99	17,375	73,793	14,021	26,784	52,395	124,426	3,289	18,380	98,290
COUNTIES1											
Belknap. Carroll. Cheshire. Coos. Grafton.	85 68 159 106 116	27 12 57 25 34	3,650 787 6,727 5,155 4,581	17,149 2,666 31,443 25,687 19,431	2,998 679 5,543 4,303 3,962	6,339 1,416 11,460 8,911 8,348	12,806 2,142 22,367 19,457 15,088	27,689 4,844 53,229 43,915 38,147	1,037 (Z) 1,797 2,558 1,480	3,698 827 7,231 5,695 4,195	25,179 4,254 46,692 39,526 24,395
Hillsborough Merrimack Rockingham Strafford Sullivan	448 169 162 126 71	201 61 53 50 23	35,469 7,529 6,274 12,174 3,000	162,807 34,671 25,840 51,037 13,828	28,056 6,268 5,208 10,219 2,395	54,559 12,857 9,495 19,251 4,889	112,034 25,931 17,878 37,854 9,815	265,561 60,871 41,203 92,697 25,919	10,905 2,897 2,242 3,375 2,338	32,561 5,923 6,324 10,362 2,766	189,738 35,773 37,510 67,113 20,529

(2) Less than \$500 thousand.

Some counties were withheld from publication is order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and auxiliary units. (for a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The Lawrence-Haverhill Standard Metropolitan Statistical Area consists of Lawrence and Haverhill Cities and Andover, Georgetown, Groveland, Merrimack, Methuen, North Andover, and West Newbury Towns in Essex County, Mass., and Newton, Plaistow and Salem Towns in Rockingham County, N.H.

The Manchester Standard Metropolitan Statistical Area consists of Manchester City, Bedford and Goffstown Towns in Hillsborough County, and Hookset Town in Merrimack County, N.H.

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

_						196	3				19	58
Code	Todayahan ayaya	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ¹ (\$1,000)	ees, number	manufac- ture (\$1,000)
	All industries, total2	1,510	543	85,347	384,559	69,631	137,525	275,372	654,075	28,865	79,582	490,709
20	Food and kindred products. Meat products. Dairies. Bakery products. Beverages.	149	39	2,825	13,481	1,529	3,235	6,264	28,804	1,559	3,129	21,127
201		15	7	545	2,658	436	914	1,831	4,042	(Z)	654	3,929
202		60	13	891	3,971	355	753	1,430	8,877	539	799	5,724
205		26	5	552	2,974	260	577	1,105	5,241	(Z)	647	4,248
208		23	9	498	2,416	244	493	1,026	7,401	(Z)	404	3,187
22 223 224 225	Textile mill products	92 17 16 21	70 17 10 15	11,014 3,665 499 2,373	43,560 15,142 2,273 7,614	9,795 3,432 440 1,933	19,816 7,004 872 3,632	35,466 12,930 1,702 6,000	77,461 25,776 4,369 15,453	2,153 (Z) (Z) (Z) (Z)	13,131 4,364 736 2,892	69,614 26,693 4,796 12,801
23	Apparel and related products Men's and boys' furnishings Women's and misses' outerwear.	47	29	1,943	5,905	1,757	3,121	5,005	9,639	(Z)	1,479	5,689
232		11	9	691	1,989	649	1,118	1,798	3,409	(Z)	308	1,826
233		9	7	389	1,067	378	665	980	1,435	(Z)	453	1,315
24	Lumber and wood products Logging camps and contractors. Sawmills and planing mills Millwork and related products. Wooden containers. Miscellaneous wood products	384	60	4,692	16,983	4,049	8,880	13,876	28,698	2,276	5,289	24,680
241		157	7	791	2,705	663	1,693	2,123	3,926	683	802	4,278
242		134	15	1,053	3,479	901	1,897	2,874	5,461	731	1,322	5,734
243		30	14	1,324	5,486	1,173	2,471	4,465	11,392	(Z)	1,229	5,755
244		21	8	560	1,796	463	1,062	1,582	2,812	(Z)	770	2,972
249		42	16	964	3,517	849	1,757	2,832	5,107	(Z)	1,166	5,941
25	Furniture and fixtures Household furniture	44	22	2,227	9,874	1,773	3,497	7,096	15,627	(Z)	1,643	9,433
251		33	15	1,635	6,525	1,321	2,543	4,617	11,020	(Z)	1,270	7,250
26	Paper and allied products Paper mills, except building Paper and paperboard products.	49	39	5,870	32,832	4,885	10,494	25,935	74,229	4,614	6,213	58,465
262		16	12	2,184	13,070	1,856	4,113	10,496	29,117	1,721	2,401	20,512
264		13	11	1,891	10,060	1,432	3,099	7,516	23,443	2,132	1,960	18,400
27	Printing and publishing Newspapers	149	30	3,735	19,970	2,643	5,182	12,989	30,289	1,428	3,108	22,921
271		44	14	1,153	5,895	678	1,298	3,506	9,356	(Z)	866	6,764
275		60	4	1,266	7,263	1,092	2,361	6,014	9,566	559	1,065	7,215
28 30	Chemicals and allied products	25	6	602	3,623	449	984	2,180	7,763	(Z)	244	3,078
307	Rubber and plastics products, n.e.c.: Plastics products, n.e.c	17	12	1,564	6,729	1,328	2,616	4,802	11,132	959	343	1,690
31	Leather and leather products	117	88	20,454	74,029	18,507	32,719	60,910	106,793	1,987	20,256	97,339
311	Leather tanning and finishing.	17	15	1,615	7,821	1,427	2,877	6,488	8,747	(Z)	1,758	10,971
314	Footwear, except rubber	62	55	17,331	60,765	15,757	27,406	50,251	88,106	1,513	16,871	77.937
32	Stone, clay and glass products	66	17	1,759	8,718	1,402	2,880	6,120	16,815	1,429	1,462	11,294
327	Concrete and plaster products.	43	5	538	2,933	372	845	1,875	6,517	771	416	4,019
329	Nonmetallic mineral products	7	5	788	3,698	640	1,272	2,593	7,363	(Z)	845	5,873
33	Primary metal industries Fabricated metal products	24	14	1,696	8,642	1,340	2,728	5,903	16,118	501	1,747	15,762
34		71	26	2,107	10,087	1,731	3,639	7,142	17,328	741	1,593	10,695
342 344	Cutlery, hand tools, hardware. Structural metal products	16 32	10 10	699 714	3,332	614 558	1,284	2,455 2,218	4,787 6,233	(Z) (Z)	535 446	2,935 3,467
35	Machinery, except electrical Metal working machinery Special industry machinery Miscellaneous machinery	120	31	8,000	46,749	5,864	12,762	29,449	79,047	3,922	7,147	59,727
354		25	5	716	4,217	506	1,124	2,525	8,376	(Z)	537	4,221
355		21	10	3,411	20,805	2,502	5,627	13,177	32,053	2,060	3,906	32,084
359		48	5	459	2,371	380	793	1,807	3,847	(Z)	221	1,427
36	Electrical machinery	63	37	11,683	60,105	8,898	17,511	39,027	104,725	4,023	7,726	55,546
367		18	11	4,703	19,702	3,988	7,606	14,596	31,793	1,645	3,064	16,488
38	Instruments and related products Miscellaneous manufacturing	17	4	546	2,456	452	934	1,730	4,548	(Z)	267	1,917
39		53	14	2,138	7,898	1,867	3,736	6,692	15,278	1,260	2,163	12,545
394 398	Toys and sporting goods	19	7	1,334	4,464	1,867	2,316	3,822	9,390	1,056	1,200	6,835
399 190	Miscellaneous manufactures	22	4	582	2,513	540	1,079	2,234	4,089	(Z)	568	4,109
	Administrative and auxiliary3	-	-	899	6,291	-	-	-	-	-	1,332	-

n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or (b) permit further checking of figures for small industry groups. Additional detail will appear in the final report for the State.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area. totals for the area.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

^{(&}quot;All manufacturing" totals for the Lawrence-Haverhill SMSA (which includes Newton, Plaistow and Salem Towns in Rockingham County New Hampshire) appear in table 2. Industry group statistics for this area are shown in the 1963 Census of Manufactures Preliminary report for the State of Massachusetts.)

PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

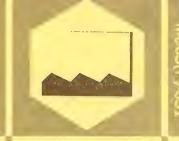
U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON. D.C. 20233

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Area series

preliminary report

Value added by manufacturing in 1963 in the State of New Jersey amounted to \$9,980 million, an increase of 5 percent from 1962 and 33 percent from 1958. Of this total, \$1,322 million was contributed by the electrical machinery industries and \$2,120 million by the chemicals and allied products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. For 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1. - GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments, ber	All emp	loyees ¹	Pr	roduction worke	rs	Value	Capital	Index of (1958	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	14,906 (NA) (NA) (NA) (NA) 14,009	5,351 (NA) (NA) (NA) (NA) 4,995	829,176 805,165 793,140 r815,944 r812,224 r794,947	5,111,937 4,779,060 4,528,426 4,737,180 4,365,987 4,066,138	576,142 566,617 557,911 581,713 584,633 564,227	1,151,133 1,128,058 1,100,269 1,147,085 1,158,973 1,100,953	3,031,138 2,927,871 2,765,408 2,775,750 2,727,474 2,508,089	9,980,065 9,494,591 8,757,551 8,631,900 8,353,866 7,499,367	520,578 532,591 467,640 472,623 436,420 454,117	104 101 100 103 102 100	133 127 117 115 111 100

(NA) Not available. Travised.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS, A. Ross Eckler, Director



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 193 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>—This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours. --This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

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1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

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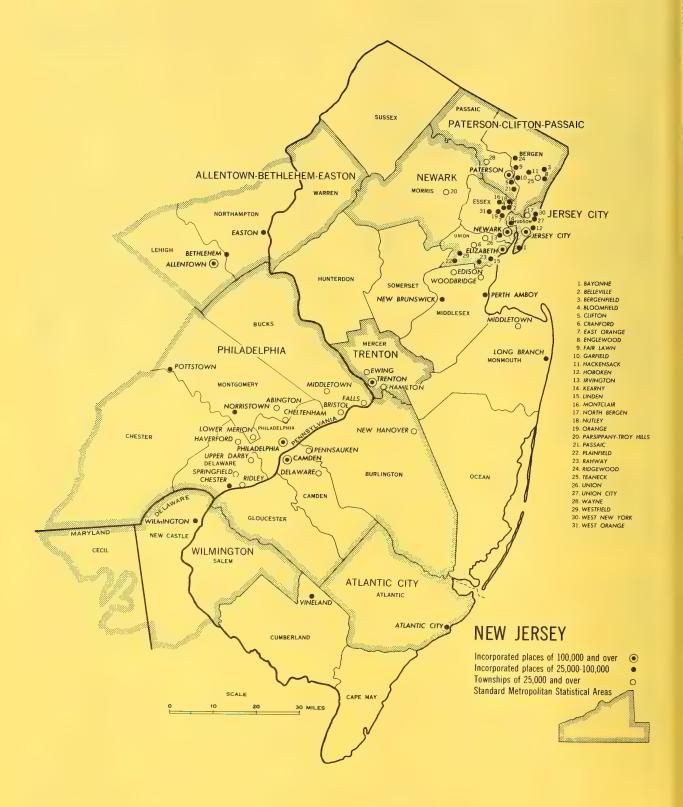


Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1959

(See text for explanation of column captions)

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	Fetabli	shments,		2	196	_				19	>0
State, standard metropolitan statistical areas,	num		All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
and counties4	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures, new	ees, number ²	manufac- ture
		ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
NEW JERSEY, TOTAL	14,906	5,351	829,176	5,111,937	576,142	1,151,133	3,031,138	9,980,065	520,578	^r 794,947	7,499,367
New York-Northeastern New Jersey SCA ⁴ Portion in New Jersey Portion in New York	49,016 11,660 37,356	15,458 4,188 11,270	1,778,037 631,361 1,146,676	10,607,640 3,908,152 6,699,488	1,200,484 431,519 768,965	2,345,615 871,770 1,473,845	5,811,892 2,276,376 3,535,516	19,123,842 7,730,192 11,393,650	200 171	r1,795,479 612,978 r1,182,501	15,267,750 5,879,227 9,388,523
STANDARD METROPOLITAN STATISTICAL AREAS											
Allentown-Bethlehem-Easton ⁵ Portion in New Jersey. Portion in Pennsylvania.	1,017 129 888	543 67 476	94,114 11,065 83,049	521,288 62,954 458,334	70,171 7,994 62,177	132,081 16,079 116,002	325,375 40,217 285,158	817,257 106,443 710,814	55,182 7,826 47,356	93,923 10,417 83,506	683,803 85,656 598,147
Atlantic City ⁶	275	87	8,424	33,455	6,949	12,798	24,797	91,839	2,227	7,139	38,979
Jersey City ⁷	2,301	804	109,748	637,611	82,817	162,582	423,210	1,387,119	64,101	124,348	1,224,988
Newark8	4,585	1,628	250,656	1,607,349	160,606	322,474	855,305	3,073,039	154,905	245,586	2,292,865
Paterson-Clifton-Passaic 9	3,765	1,288	175,282	1,047,375	123,158	248,749	641,046	1,984,567	72,863	r _{158,550}	1,464,579
Philadelphia ¹⁰ Portion in New Jersey Portion in Pennsylvania	8,125 1,115 7,010	3,116 391 2,725	537,439 75,322 462,117	3,320,978 500,438 2,820,540	374,723 54,549 320,174	745,962 109,977 635,985	1,994,730 311,409 1,683,321	5,987,310 884,703 5,102,607	297,576 50,533 247,043	F537,192 F72,740 F464,452	4,826,261 696,157 4,130,104
Trenton ¹¹	424	175	37,220	240,631	26,433	53,196	150,035	455,541	19,562	r _{36,232}	324,297
Wilmington ¹² Portion in Delaware. Portion in New Jersey. Portion in Maryland.	460 338 59 63	192 144 23 25	60,722 46,444 10,895 3,383	476,235 376,095 82,860 17,280	31,098 21,401 7,245 2,452	62,554 44,126 13,435 4,993	182,492 126,450 45,775 10,267	708,126 487,920 190,013 30,193	52,490 29,741 (D) (D)	58,709 46,025 10,481 2,203	470,820 312,301 142,933 15,586
COUNTIES1											
Atlantic. Bergen. Burlington. Camden. Cape May.	275 2,146 297 647 64	87 661 115 203 16	8,424 94,558 18,607 44,636 1,398	33,455 580,267 115,591 309,816 5,536	6,949 63,171 13,765 32,198 1,199	12,798 128,816 27,029 66,165 2,220	24,797 340,367 79,042 187,740 4,401	91,839 1,126,483 211,698 489,940 11,959	2,227 39,470 10,089 22,300 (D)	7,139 83,152 15,100 47,216 1,436	38,979 842,201 174,860 425,760 10,429
Cumberland. Essex. Gloucester. Hudson. Hunterdon.	256 2,747 171 2,301 125	120 927 73 804 45	20,743 128,422 12,079 109,748 5,186	98,489 785,373 75,031 637,611 28,428	17,375 84,231 8,586 82,817 3,918	33,600 166,738 16,783 162,582 8,294	75,754 427,926 44,627 423,210 20,956	179,173 1,433,609 183,065 1,387,119 55,610	7,784 60,444 18,144 64,101 4,929	19,770 130,693 10,424 124,348 4,478	140,923 1,130,332 95,537 1,224,988 45,406
Mercer Middlesex Monmouth Morris Ocean.	424 792 532 461 179	175 387 172 138 38	37,220 76,763 20,918 29,979 3,455	240,631 488,599 117,136 204,834 17,988	26,433 53,629 13,779 16,219 2,655	53,196 107,362 26,931 33,038 5,303	150,035 292,822 58,018 87,054 12,514	455,541 1,063,689 205,355 366,415 37,125	19,562 74,333 18,187 23,029 8,302	36,232 66,206 14,705 26,544 2,008	324,297 723,470 106,082 276,685 11,909
Passaic Salem. Somerset Sussex Union. Warren.	1,619 59 217 88 1,377 129	627 23 81 29 563 67	80,724 10,895 18,912 3,189 92,255 11,065	467,108 82,860 127,218 15,870 617,142 62,954	59,987 7,245 11,309 2,527 60,156 7,994	119,933 13,435 23,022 5,111 122,698 16,079	300,679 45,775 63,993 10,886 340,325 40,217	858,084 190,013 221,778 32,112 1,273,015 106,443	33,393 (D) 12,212 1,335 71,432 7,826	75,398 10,481 18,288 2,563 88,349 10,417	622,378 142,933 173,325 17,369 885,848 85,656

(D) Withheld to avoid disclosing figures for individual companies.

TRevised.

Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and axiliary units. (For a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The New York, N.Y. Northeastern New Jersey Standard Comsolidated Area consists of the following Standard Metropolitan Statistical Areas: New York, N.Y.; Nevark, N.J., Jersey City, N.J., Paterson-Clifton-Passaic, N.J., and of Middlesex and Somerset Counties, N.J.

The Allentown-Bethlehem-Easton, Pa.N.J., Standard Metropolitan Statistical Area consists of Lehigh and Northampton Counties, Pa., and Warren County, N.J.

The Allentown-Bethlehem-Easton, Pa.-N.J., Standard Metropolitan Statistical Area consists of Denign and No. Standard Metropolitan Statistical Area is coextensive with Atlantic County, N.J.
The Jersey City Standard Metropolitan Statistical Area is coextensive with Hudson County, N.J.
The William Passaic Standard Metropolitan Statistical Area consists of Essex, Morris, and Union Counties, N.J.
The Philadelphia, Pa.-N.J., Standard Metropolitan Statistical Area consists of Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pa., and Burlington, Canden, and Gloucester Counties, N.J.
The Trenton Standard Metropolitan Statistical Area is coextensive with Mercer County, N.J.
The Trenton Standard Metropolitan Statistical Area is coextensive with Mercer County, N.J.
The Wilmington, Del.-N.J.-Md., Standard Metropolitan Statistical Area consists of New Castle County, Del., Salem County, N.J., and Cecil County, Md.

Table 3.--GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958 (See text for explanation of column captions)

						196	3	-			19	58
		Establi	shments,	A11	? orrosa							
Code	Industry group	num	With 20 or more	All emp	Payroll	Number	duction wor.	wages	Value added by manufac- ture	Capital expend- itures, new1	All employ- ees, number	Value added by manufac- ture
		20002	employ- ees	114411001	(\$1,000)	Trambo2	(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total ²	14,906	5,351	829,176	5,111,937	576,142	1,151,133	3,031,138	9,980,065	520,578	^r 794,947	7,499,367
20 201	Food and kindred products Meat products	1,117 122	434 51	60,673 5,014	364,517 30,350	41,340 3,935	83,615 8,161	224,270 21,606	1,069,728 86,303	55,456 1,681	61,240 5,268	808,419 53,263
202	Dairies	192	79	6,527	41,663	3,051	6,302	17,563	86,584	4,337	7,541	84,097
203 204	Canned and frozen foods Grain mill products	123 45	59 17	10,273 1,195	50,828 7,753	8,487 729	16,619 1,615	37,877 3,544	159,506 20,569	5,875 1,590	10,580	117,749 13,971
207	Candy and related products	70	24	3,952	20,975	3,154	6,274	13,726	50,812	2,183	3,504	33,489
22 222 223	Textile mill products Weaving mills, synthetics Weaving, finishing mills,	609 40	289 22	26,390 1,292	139,005 6,938	22,704	46,924 2,212	107,976 5,632	244,719 14,152	11,432 (Z)	33,302 1,992	229,589 17,181
224	Wool	17 56	4 15	681 1,371	3,299 6,792	586 1,133	1,254 2,125	2,532 4,869	6,388 11,975	(D) (Z)	1,779	11,131 7,131
225	Knitting mills	189	104	7,081	30,428	6,424	12,499	24,952	49,104	2,902	7,056	39,072
226 228	Textile finishing, except wool Yarn and thread mills	138 29	83 10	8,997 660	54,844 3,093	7,808 589	17,301	44,179 2,478	91,541 4,912	4,372 (Z)	11,699 1,570 5,365	82,548 10,034
229	Miscellaneous textile goods	110	36	4,957	27,197	3,919	7,982	18,515	52,811	2,397		44,527
23 231	Apparel and related products Men's and boys' suits and coats	2,461 78	1,060	77,555 6,366	275,123	69,564 5,846	124,084	226,859	482,275 36,945	8,651 (Z)	75,477	372,472
232 233 234	Men's and boys' furnishings Women's and misses' outerwear Women's and children's	100 741	72 538	6,568 31,475	22,680 104,806	5,908 28,820	10,703 49,222	18,255 90,246	53,735 162,367	(Z) 3,201	7,142 28,059	39,009 113,056
235	underwear	96 37	54 14	7,677 886	28,443 3,305	6,083 808	10,520	18,610	62,556	543	8,897 927	55,761
236	Millinery, hats and caps Children's outerwear	176	113	7,290	22,983	6,685	1,332 11,706	2,872 19,508	4,912 40,936	(Z) (Z)	8,374	4,951 36,969
238 239	Miscellaneous apparel Fabricated textiles, n.e.c	1,121	149	4,055 13,207	12,873 55,597	3,702 11,688	6,557 23,363	10,768 45,448	19,647 101,094	(Z) 3,660	3,677	17,662 74,258
24	Lumber and wood products	339	68	5,282	23,964	4,358	8,482	17,879	40,845	1,857	4,990	41,037
242 243	Sawmills and planing mills Millwork and related products	54 134	7 27	585 2,125	2,573 10,493	475 1,653	973 3,226	2,012 7,413	4,470 20,836	(Z) 701	465 1,702	2,869 13,669
244	Wooden containers	45	11	964	3,934	856	1,631	3,064	5,625	(Z)	1,251	5,908
249	Miscellaneous wood products	81	22	1,457	6,552	1,237	2,419	4,955	12,182	517	1,521	18,249
25 251	Furniture and fixtures Household furniture	389 238	97 66	8,889 6,287	44,169 29,093	7,247 5,192	14,419 10,146	31,732 21,125	75,832 54,013	3,089 1,191	8,726 5,989	64,652 42,764
254 259	Partitions and fixtures Furniture and fixtures,n.e.c.	80 52	18	1,113 761	6,423 4,334	905 580	1,858	4,778 2,790	10,120 7,182	(Z) (Z)	935 753	6,888 6,715
26	Paper and allied products	379	224	31,814	190,909	24,208	51,231	129,270	368,002	29,221	28,344	273,935
262	Paper mills, except building.	13	12	2,959	19,047	2,243	4,904 5,937	14,470 15,439	44,498 38,343	4,213	2,974	34,718 41,912
263 264	Paperboard mills Paper and paperboard products	24 148	20 64	2,799 9,738	19,728 58,619	2,343 6,729	13,797	34,516	120,396	4,203 8,550	2,899 7,715	80,293
265	Paperboard containers and boxes	186	122	15,478	88,753	12,181	25,176	60,974	154,642	11,901	13,544	105,631
27	Printing and publishing	1,366	253	33,062	196,431	20,229	39,141	117,572	356,793	15,537	30,795	283,913
271 272	Newspapers Periodicals	251 84	58 10	8,943 760	52,944 5,413	4,275	8,414	28,171 582	97,396 16,817	4,279 (Z)	7,919 582	74,084 8,412
273	Books	77	22	5,341	29,720	1,573	2,808	7,761	73,418	2,083	4,208	50,108
274 275	Miscellaneous publishing Commercial printing	38 757	104	627 12,230	3,272 76,264	180 9,913	340 19,444	897 59,185	6,546 118,010	(Z) 7,425	526 13,068	6,066 111,068
276 277	Manifold business forms Greeting card manufacturing	21 11	10	1,104 261	7,055 1,485	725 198	1,395 373	4,097 830	9,074 2,565	(Z) (Z)	924 199	7,103 1,779
278	Bookbinding and related work.	67	23	2,854	13,753	2,494	4,837	11,222	23,636	897	2,323	16,398
279 28	Printing trades services Chemicals and allied products	96 1,045	16 427	942 86,050	6,525 610,963	739 5 2,38 5	1,299	4,847 322,988	9,331	(Z) 140,652	1,046 79,362	8,895 1,457,830
281	Basic chemicals	229	119	30,886	238,893	19,941	40,364	138,082	667,227	79,129	28,287	465,682
283 284	Drugs Cleaning and toilet goods	123 222	52 74	16,567 16,610	119,852	8,797 10,236	18,302 20,478	50,378 56,639	537,181 471,127	25,449 10,918	14,907 14,475	329,947 365,809
285 287	Paints and allied products Agricultural chemicals	172 36	74 18	6,968	47,017	4,040 1,011	8,242 2,079	23,255 4,937	141,138 18,742	3,909 2,041	7,197 1,688	103,343 17,080
289	Miscellaneous chemical			1,418	7,510							
20	products	172	51	6,680	44,578	4,303	8,803	25,320	106,139	4,672	5,500	85,753
29 291	Petroleum and coal products Petroleum refining	90 14	38 9	8,466 5,830	66,237 48,444	6,092 4,153	12,240 8,110	44,049 31,898	235,198 176,716	11,399 8,308	11,377 8,191	108,838 68,918
295 299	Paving and roofing materials. Petroleum and coal products.	50	18	1,932	12,920	1,478	3,216	9,306	31,935	2,645	1,877	21,686
2	n.e.c	26	11	704	4,873	461	914	2,845	26,547	(Z)	1,309	18,234
30	Rubber and plastics products,	486	234	28,283	154,167	22,274	45,121	106,353	293,013	24,398	22,537	191,748
306	Rubber products, n.e.c	105	59	12,191	69,324	9,249	18,510	48,390	127,452	5,741	12,172	103,940
31	Leather and leather products	194	107	11,723	49,123	10,145	19,318	38,120	77,327	1,118 510	12,087 2,854	67,248 21,341
311 314	Leather tanning and finishing Footwear, except rubber	52 21	26 17	2,247 2,064	12,718 8,635	1,934 1,911	4,012 3,173	9,852 6,528	21,627 12,173	(Z)	1,710	8,696
316 317	Luggage Purses and small leather goods	30 74	19 41	1,963 5,054	7,685 18,201	1,715	3,032 8,465	6,021 14,498	11,760 28,705	(Z) (Z)	2,091 5,091	11,524 23,796
32	Stone, clay and glass products.	571	222	34,684	198,636	28,023	56,790	147,888	388,600	31,776	32,550	304,222
323 325	Products of purchased glass Structural clay products	100 21	35 18	3,061 1,536	14,197 8,115	2,221 1,295	5,193 2,690	10,597 6,197	25,881 13,432	712 (Z)	2,028 1,607	13,695 12,464
326	Pottery and related products.	50	30	4,299	23.073	3,487	6,731	17,309	39,355	959	4,510	33,229 58,701
327 32 9	Concrete and plaster products Nonmetallic mineral products.	239 121	74 51	5,401 8,980	33,757 57,969	3,760 6,848	8,425 14,327	21,626 41,514	76,299 117,884	6,081 9,625	5,253 8,580	90,177

Table 3, -GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1953-Continued

(See text for explanation of column captions)

						196	3				19	58
		Establi	shments,	All empl	Loyees	Pro	duction worl	kers	Value	Capital	All	Value
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
33	Primary metal industries	367	191	36,059	231,306	27,840	57,371	165,459	439,473	27,605	37,206	370,542
331 332	Steel rolling and finishing Iron and steel foundries	40 44	25 32	5,746 5,130	38,704 29,625	4,218 4,283	8,270 8,497	26,284 23,423	79,082 49,062	3,442 4,394	6,078 6,330	64,297 48,317
334	Secondary nonferrous metals	39	17	1,653	10,097	1,137	2,345	5,847	38,654	1,534	1,291	11,316
335	Nonferrous rolling and	74	55	13,738	90,213	מוכ חו	22,039	63,265	702 672		77 677	7// 025
339	drawing,	/4	1 77	15,750	90,215	10,318	22,039	03,203	183,613	10,736	14,614	166,235
	n.e.c	64	23	1,921	11,892	1,388	2,722	7,482	24,720	1,184	1,517	15,645
34	Fabricated metal products	1,535	491	57,943	355,683	45,353	93,936	250,825	681,146	32,087	53,279	508.042
341	Metal cans	18	15	5,409	38,006	4,715	10,075	31,463	89,039	5,935	5,637	72,370
342 343	Cutlery, hand tools, hardware Plumbing and heating, except	106	42	8,305	54,031	6,813	14,727	41,336	120,863	6,640	8,400	74,862
	electric	62	26	3,682	21,465	2,722	5,353	13,950	44,717	1,590	3,260	29,645
344	Structural metal products	550	150	12,606	75,370	9,561	19,468	51,084	128,536	3,399	11,831	115,062
345 346	Screw machine products Metal stampings	146 156	47 59	4,983 6,168	32,566 35,887	3,766 5,039	8,658 9,968	22,529 25,136	62,438 59,785	3,556 3,065	4,202 5,753	38,097 51,046
347	Metal services, n.e.c	241	48	3,282	16,950	2,655	5,426	12,502	27,211	1,515	2,848	18,900
348	Metal services, n.e.c Fabricated wire products,	88	24	2,938	16,734		4,639	12,007		766		
349	n.e.c Fabricated metal products,		24	2,938	10,734	2,398	4,639	12,007	31,197	700	2,662	25,822
	n.e.c	168	80	10,570	64,674	7,684	16,504	40,818	117,360	5,621	8,686	82,238
35 353	Machinery, except electrical Construction and like equip-	1,824	392	55,979	374,147	39,842	83,348	242,872	671,721	27,157	57,517	519,371
ا درو	ment	71	24	6,132	44,290	3,824	8,036	25,653	126,789	2,113	7,485	103,625
354	Metalworking machinery	501	95	8,101	54,975	6,403	13,793	39,652	83,745	4,317	8,182	66,387
355 356	Special industry machinery General industrial machinery.	262 231	93 65	11,123 14,898	77,355 102,081	7,626 10,785	16,237	47,472 69,447	126,081 168,157	4,200 7,435	10,336 14,278	94,900 122,260
357	Office machines, n.e.c	35	18	4,632	29,025	2,999	22,171 6,305	16,272	54.719	3,463	3,830	30,540
358	Service industry machines	110	40	5,414	33,463	3,578	7,128	19,126	58,748	2,356	5,720	41,068
359	Miscellaneous machinery	593	50	5,261	30,887	4,277	8,954	23,646	50,861	3,105	5,429	39,655
36 361	Electrical machinery Electric distribution .	S65	389	128,382	851,963	89,815	177,494	507,400	1,321,585	45,769	(3)	(3)
362	products	119 75	47 35	10,488	62,387	7,696	15,090 7,144	39,143	113,222	3,671	12,568	101,568 51,977
363	Electric industrial apparatus Household appliances	30	8	5,667 4,546	33,133 29,912	3,485 3,393	6,827	17,423 20,858	50,505 48,188	1,826 1,278	7,000 5,959	35,695
364	Lighting and wiring devices	161	70	14,266	77,669	11,219	22,296	52,665	157,033	5,452	12,391	107,033
365	Radio and TV receiving equipment	55	27	7,399	36,092	5,834	11,177	24,517	83,007	1,763	6,732	50,186
366	Communication equipment	114	63	57,819	452,713	37,237	74,467	255,389	611,930	20,513	(3)	(3)
367 369	Electronic components	248 63	116	24.387	138,348	17.860	34,320	81,142	213,176	10,291	24,093	168,096
	Electrical products, n.e.c		23	3,810	21,709	3,091	6,173	16,263	44,524	973	3,410	29,345
37	Transportation equipment	258	87	40,087	282,656	28,750	60,436	191,719	625,400	26,114	50,959	575,378
371 372	Motor vehicles and equipment. Aircraft and parts	80 44	26 24	13,065 16,834	103,089 111,066	10,371 9,294	23,940 18,971	77,007 56,502	368,290 167,664	16,488 7,011	14,701 22,494	237,314
373	Ship and boat building	121	33	9,478	64,451	8,511	16,481	55,315	84,043	2,332	13,168	98,248
38	Instruments and related											
381	products	272	91	17,598	118,354	11,286	22,638	60,327	230,532	14,637	(3) (3)	(3) (3)
381	Scientific instruments Mechanical measuring devices.	50 59	22 24	2,266 3,341	13,776 16,409	1,740 2,297	3,545 4,484	9,000 10,596	22,716 34,208	1,276 819	2,250	19,534
384	Medical instruments and											
385	supplies Ophthalmic goods	67 29	17	7,093 781	55,067 3,702	3,706 636	7,655 1,281	21,053 2,436	94,614 7,692	6,241 (Z)	6,328 815	71,824 7,687
386	Photographic equipment	44	16	3,668	25,071	2,623	5,081	14,672	66,063	5,309	3,213	31,009
39	Miscellaneous manufacturing,											
391	including ordnance4	734	253	28,760	132,894	23,363	45,786	93,525	238,922	11,954	25,768	181,114
393	Jewelry and silverware Musical instruments and parts	121 18	42	3,842 401	20,542 1,733	2,906 327	5,965 644	13,461	31,441 2,857	520 (Z)	4,015 210	29,136 3,433
394	Toys and sporting goods	122	59	9,512	38,601	8,199	15,935	29,343	74,335	6,221	6,635	43,738
3 95	Pens, pencils and office supplies	72	26	3,433	16,777	2,410	4.934	10,153	27,991	993	3,400	24,321
396	Costume jewelry and notions	75	26	2,732	11,753	2,333	4,568	8,634	22,443	1,001	2,936	21,432
398 399	Miscellaneous manufactures4	326	94	8,839	43,488	7,188	13,740	30,629	79,885	3,144	8,572	59,054
190											r.,	
	Administravive and auxiliary5	-	-	50,298	446,701	-	-	-		-	r _{33,031}	

⁻ Represents zero. n.e.c. Not eleewhere classified.

⁽D) Withheld to avoid disclosing figures for idmividual companies.

⁻ Represents zero. n.e.c. Not eleewhere classified. (D) Withheld to avoid disclosing figures for idmividual companies. (X) Less than \$500 thousand.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Data for 1958 for Industries 3662 and 3811 not directly comparable with data for 1963. See 1963 Census of Manufactures preliminary reports for Industries 3662 and 3811 for more detailed explanation. Totals for Group 36, Electrical Machinery, and Group 38, Instruments and Related Products, amounted to 124,581 employees and \$1,125,850 thousand dollars value added in 1958.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded

[&]quot;Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office on auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

(See text for explanation of column captions)

						196	3				19	58
0.3.	Todayahara mayar	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
Code	Industry group	Total	With 20 or more	Number	Payroll	Number	Man-hours	Wages	added by manufac- ture	expend- itures, new1	employ- ees, number	added by manufac- ture
			employ- ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)

ALLENTOWN-BETHLEHEM-EASTON, PA.-N.J., SMSA
("All manufacturing" totals for the Allentown-Bethlehem-Easton Standard Metropolitan Statistical Area (which includes

		Warren	County i		r) appear in	table 2. 1	Industry gro		etropolitan a			
					(See foo	otnotes at	JERSEY CITY		description			
	All industries, total ²	2,301	804	109,748	637,611	82,817	162,582	423,210	1,387,119	64,101	124,348	1,224,988
20	Food and kindred products	151	65	10.585	66,380	7.819	16,058	44,524	288,311	13,258	11,055	228,053
201 205	Meat products	25 38	16 13	2,069 1,130	13,382	1,627	3,446 1,441	9,825 3,969	21,550 12,655	539 2,214	2,176 1,051	23,173
208	Beverages	16	6	503	3,204	247	508	1,272	24,056	(Z)	527	17,667
209	Miscellaneous foods and kindred products	38	22	5,254	34,708	3,875	7,953	23,564	191,442	9,141	5,455	148,075
22	Textile mill products	146	60	4,177	20,770	3,717	7,420	16,709	33,745	1,664	5,144	32,430
225 226	Knitting mills Textile finishing, except	73	35	2,386	10,586	2,177	4,202	8,694	15,165	802	2,737	14,415
228	woolYarn and thread mills	26 8	16	1,035 356	6,196 1,932	910 302	2,005	5,075 1,461	11,434 3,227	754 (Z)	1,027	8,370 2,530
23	Apparel and related products	950	248	18,243	72,340	15,711	29,484	56,912	140,812	2,960	18,921	125,226
232	Men's and boys' furnishings	11	8	401	1,302	375	662	1,084	1,822	(Z) 1,207	392 6,818	1,758 38,480
233 234	Women's and misses' outerwear Women's and children's	174	132	7,607	28,333	6,716	12,217	22,848	51,606	1		
236	underwear	32 40	15 26	2,535 1,710	11,265 5,377	1,695 1,486	3,009 2,580	6,222 4,200	30,798 11,184	(Z) (Z)	3,113 1,854	26,635 10,610
238	Miscellaneous apparel	16	7	532	1,547	484 4,757	821 9,864	1,325 20,622	2,291 41,884	(Z) 1,386	725 5,639	3,297 42,442
239 25	Fabricated textiles, n.e.c Furniture and fixtures	662 51	56 20	5,247 1,781	23,805 8,245	1,475	2,985	5,733	15,529	(Z)	1,781	12.092
251	Household furniture	35	16	1,374	6,008	1,161	2,348	4,138	11,117	(z)	1,456	9,599
26 265	Paper and allied products Paperboard containers and	65	39	5,012	29,288	3,992	8,126	20,480	50,638	1,766	5,635	50,793
200	boxes	39	29	4,143	24,575	3,258	6,638	16,736	38,830	1,489	4,701	36,533
27	Printing and publishing	98	25	3,466 712	24,501 4,643	2,584 294	4,696 530	18,262	34,655 7,660	1,037 (Z)	4,569 698	41,205 6,194
271 275	Newspapers	64	12	2,279	17,132	1,928	3,497	14,208	23,222	803	3,631	32,615
28	Chemicals and allied products	137	59	7,320	49,070	4,733	9,532 662	28,252 1,100	184,561 7,201	7,469 (Z)	8,800 1,299	149,123 13,947
283 284	Drugs Cleaning and toilet goods	22 32	8 14	391 4,213	2,213 29,245	2,700	5,282	17,034	125,379	3,584	4,336	95,427
289	Miscellaneous chemical products	23	8	509	3,181	326	654	1,692	7,690	(Z)	525	8,574
30	Rubber and plastics products,											
307	n.e.c	37 33	17 15	1,598	7,592 7,070	1,356 1,263	2,752 2,581	5,987 5,676	16,673 15,561	1,259 1,203	698 529	5,972 4,410
31	Leather and leather products	32	22	2,555	10,027	2,291	4,183	7,955	16,713	(Z)	2,318	11,220
316 317	Luggage Purses and small leather	6	5	453	1,400	406	705	1,167	2,243	(Z)	339	1,306
	goods	18	13	1,710	6,625	1,522	2,838	5,291	11,943	(Z)	1,433	7,466
32	Stone, clay and glass products.	34	16	1,883	10,850	1,543	3,139	8,022	23,324	(D)	1,288	12,111
33 335	Primary metal industries Nonferrous rolling and	41	20	4,330	28,467	3,170	6,400	19,014	50,693	3,196	4,710	56,129
555	drawing	7	7	2,371	16,327	1,742	3,554	11,006	32,806	2,086	2,148	32,598
34 344	Fabricated metal products	146	47	5,371	33,792	4,244	8,657	24,954	57,123	2,981	8,443	78,250
346	Structural metal products Metal stampings	61 14	22	1,352 745	7,626 4,443	1,038 546	2,047 1,121	5,060 3,095	15,051 4,581	(Z) (Z)	1,180 1,213	11,218 9,836
349	Fabricated metal products, n.e.c	19	9	810	5,165	579	1,182	3,275	7,584	580	2,197	18,830
35	Machinery, except electrical	131	35	9,018	65,704	6,228	13,045	42,640	151,190	3,047	10,033	122,085
354 356	Metalworking machinery General industrial machinery.	27 24	4 9	317 3,902	2,215 27,943	266 2,841	599 5,960	1,731 19,320	3,360 43,415	(Z) 1,288	367 3 , 797	3,273 35,017
358	Service industry machines	12	6	859	5,747	575	1,138	3,634	11,258	(Z)	753	6,619
36 364	Electrical machinery Lighting and wiring devices	74 24	39 13	19,177 1,954	121,261	14,385	27,682 3,184	77,642 7,346	185,879 20,727	11,714	25,408 2,025	194,275 18,295
37	Transportation equipment:											
373 39	Ship and boat building	14	10	2,504	16,650	2,099	3,713	13,177	26,492	(Z)	2,908	23,674
391	Miscellaneous manufacturing Jewelry and silverware	116 14	57 6	6,696 906	30,828 5,097	5,201 591	9,970 1,429	19,896 2,979	60,492 6,986	3,276 (Z)	5,254 790	37,422 5,493
394 395	Toys and sporting goods Pens, pencils and office	17	12	1,710	6,592	1,492	2,696	4,202	17,139	(D)	525	3,038
398	supplies	13	7	1,366	6,099	915	1,856	3,376	10,579	(Z)	1,142	8,211
399 190	Miscellaneous manufactures4	52	22	2 ,204	11,045	1,775	3,153	7,943	21,841	(Z)	2,150	17,384
	Administrative and auxiliary ⁵	l -	-	3,125	23,378	-	-	-	-	-	3,670	-

NEW JERSEY

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued

(See text for explanation of column captions)

					7		dia caption					-0	
		Part - 2.2.2	o hara a d			1963					1958		
Code	Industry group	num	shments, ber With 20 or more	All emp			duction wor		Value added by manufac- ture	Capital expend- itures, new 1	All employ- ees, number	Value added by manufac- ture	
		Total	employ- ees	Number	(\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	(\$1,000)	(\$1,000)	Humber 1	(\$1,000)	
					(2	h	NEWARK S		A				
	All inqustries, total ²	4,585	1,628	250,656	1,607,349	160,606	322,474	2 for SMSA 855,305	3,073,039	154,905	245,586	2,292,865	
20	Food and kindred products	285	112	21,562	141,463	13,572	27,225	84,567	337,428	18,458	23,043	266,686	
201 202	Meat products Dairies	34 46	17 18	1,870 2,042	12,080 13,893	1,472	3,215 2,035	8,621 5,731	50,261 24,315	(Z) 1,291	1,934 2,461	19,878 24,707	
203	Canned and frozen foods Bakery products	20 71	9 29	709 6,278	3,664 36,838	568 3,720	1,079 7,627	2,550 20,544	6,078 72,863	(Z) 3,488	610 5,941	4,305 50,742	
207	Candy and related products	19	9	984	4,466	795	1,705	3,414	9,986	(Z)	1,188	7,877	
208 209	Beverages Miscellaneous foods and	40	17	7,295	55,003	4,783	8,825	35,674	142,364	7,573	8,605	124,870	
	kindred products	45	11	2,248	14,733	1,162	2,569	7,526	29,665	4,911	2,146	32,856	
229	Textile mill products Miscellaneous textile goods	62 25	32 14	3,003 2,030	16,311 12,265	2,398 1,555	5,044 3,332	11,472 8,253	33,784 26,086	1,730 1,230	3,830 2,186	29,763 19,661	
23 231	Apparel and related products Men's and boys' suits and	389 19	216	15,751 920	54,269 3,610	14,082 815	24,434	44,217 2,982	102,987 5,093	1,664	16,171	82,808	
232 233 234	coats Men's and boys' furnishings Women's and misses' outerwear Women's and children's	29 143	16 103	1,840 6,014	7,255 19,153	1,619 5,546	3,091 9,106	5,508 17,166	28,982 26,411	(Z) 576	2,074 5,689	22,255 20,771	
236	underwear	20 40	10 21	1,264 1,390	5,041 4,273	1,111 1,265	1,810 2,170	3,487 3,509	6,796 6,897	(Z) (Z)	2,149 2,150	9,286 8,958	
238 239	Miscellaneous apparel Fabricated textiles, n.e.c	27 96	17 31	1,323 2,659	4,421 9,561	1,192 2,228	2,182 4,102	3,498 6,830	7,750 19,164	(Z) 707	1,130 1,780	5,384 10,550	
25 251	Furniture and fixtures Household furniture	121 73	30 20	3,282 2,628	16,647 12,994	2,544 2,064	5,003 3,982	11,652 9,301	30,181 25,365	692 538	3,148 2,408	24,307 19,066	
26 263	Paper and allied products Paperboard mills	108 10	59 8	6,775 1,049	41,552 7,617	5,339 907	11,666 2,441	28,937 €,344	76,720 18,692	6,227 2,515	6,543 1,055	68,425 18,015	
.264 265	Paper and paperboard products Paperboard containers and	49	20	2,447	13,926	1,913	3,916	9,295	25,962	2,403	2,063	19,562	
200	boxes	47	30	3,009	17,893	2,311	4,877	11,926	27,122	1,177	2,771	24,377	
27 271	Printing and publishing Newspapers	452 47	73 10	10,192 3,292	61,239 20,886	6,672 1,577	12,986 3,269	38,266 11,873	115,245 42,384	3,451 577	9,527 3,047	88.606 30,399	
273	Books	25	6	1,133	7,056	756	1,389	3,724	14,745	(Z) (Z)	911 341	9,924 4,158	
274 275	Miscellaneous publishing Commercial printing	12 271	35	321 3,339	1,997 19,194	61 2,610	5,116	13,885	32,765	1,608	3,001	27,096	
278 279	Bookbinding and related work. Printing trades services	28 27	8 5	1,316 379	7,155 2,456	1,115 355	2,209	5,618 1,970	12,887 3,433	(Z)	1,481 381	10,737 3,322	
28	Chemicals and allied products	369	142	28,477	201,922	15,615	32,073	94,517	782,999	49,486	26,444	533,348	
281 282	Basic chemicals Fibers, plastics, rubbers	77 32	37 12	5,458 1,565	40,848	3,492 1,083	7,175 2,226	23,503 6,648	127,143 30,817	23,561 2,045	5,357 2,020	83,599 24,789	
284 285	Cleaning and toilet goods Paints and allied products	78 73	21 32	4,277 3,271	26,161 22,125	1,957 1,917	4,156 3,657	10,452 10,506	158,385 63,259	3,451 1,394	9,232 4,056	222,572 116,790	
289	Miscellaneous chemical products	59	17	2,771	19,017	1,666	3,423	10,193	44,129	1,933	2,031	30,067	
30	Rubber and plastics products,		70					D/ 660	go go:	0.400	6 020	55,048	
307	n.e.c Plastics products, n.e.c	177 147	73 61	7,214 5,638	37,143 28,589	5,752 4,643	11,489 9,294	24,669 19,399	70,801 54,881	8,670 7,880	6,232 4,296	37,514	
31 311	Leather and leather products Leather tanning and finishing	83 42	38 18	3,899 1,500	16,627 8,456	3,470 1,327	6,601 2,798	13,557 6,817	25,475 15,110	525 (Z)	4,602 1,787	28,211 15,892	
316 317	LuggagePurses and small leather	12	6	362	1,469	318	566	1,232	1,504	(Z)	617	2,816	
211	goods	25	13	1,989	6,543	1,786	3,153	5,395	8,613	(Z)	2,060	8,734	
32 323	Stone, clay and glass products. Products of purchased glass	105 17	38 5	2,857 . 568	17,220 2,544	2,109 486	4,635 982	11,525 1,871	36,472 4,295	3,561 (Z)	2,832 543	32,503 4,294	
327 329	Concrete and plaster products Nonmetallic mineral products.	37 35	16 16	1,274 922	8,702 5,590	903 644	2,215 1,288	6,098 3,267	20,150 11,423	1,943 1,499	1,367 724	18,975 7,920	
33	Primary metal industries	144	67	8,539	54,337	6,497	13,362	37,250	139,889	6,857	9,171	91,811	
331 332	Steel rolling and finishing Iron and steel foundries	16 12	7 7	683 750	4,232 4,282	499 622	934 1,268	2,455 3,324	8,003 6,058	600 (Z)	773 995	8,138 6,960	
334 335	Secondary nonferrous metals Nonferrous rolling and drawing	19 28	18	877 3,671	5,364 25,015	549 2,761	1,128 5,831	2,785 17,506	49,882	1,310 3,976	618 3,865	4,223	
336 339	Nonferrous foundries Primary metal industries,	39	18	1,735	10,383	1,442	3,059	7,868	16,234	554	2,142 778	16,790	
	n.e.c	29	8	801	4,801	604	1,095	3,078	11,386	(Z)		7,232	
34 342 343	Fabricated metal products Cutlery, hand tools, hardware Plumbing and heating, except	644	211	22,566 2,556	138,419	17,304 2,076	35,746 4,338	93,298 9,782	249,793 25,149	11,067	19,480 2,644	179,895 21,650 9,585	
344	electric Structural metal products	19 183	9 52	1,021 3,761	6,272 23,723	634 2,772	1,289 5,686	3,355 15,722	12,505 40,261	1,168	1,138 3,757	36,559	
345 346 348	Screw machine products Metal stampings Fabricated wire products.	74 80	27 29	2,992 2,326	20,168 13,904	2,245	5,276 4,041	14,128 10,026	41,221 23,447	2,536 872	2,402 1,969	22,503 17,356	
349	n.e.c	35	10	1,565	9,001	1,291	2,428	6,492	15,759	(z)	1,170	10,464	
24.7	Fabricated metal products,	74	41	6,101	36,814	4,195	8,508	22,530	63,709	2,556	3,951	38,609	
9.	e footnotes at end of table												

Table 4,--GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958--Continued (See text for explanation of column captions)

						196	3	-			19	58
Code	Industry group	Establishments, number		All employees		Production workers			Value added by	Capital	All employ-	Value added by
		Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	expend- itures, new 1	employ- ees, number	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
			NEWARK SMSAContinued									
35	Machinery, except electrical	716	169	21,604	144,933	15,394	32,499	94,503	257,963	9,564	24,140	201,459
353	Construction and like											
	equipment	21	6	822	5,400	507	1,180	3,247	20,858	(Z)	1,473	20,712
354	Metalworking machinery	252	60	4,899	34,409	3,834	8,334	24,116	50,613	2,707	5,881	47,529
355	Special industry machinery	87	33	4,729	32,690	2,903	6,084	18,317	56,654	1,515	4,806	48,117
356	General industrial machinery.	87	31	4,973	35,009	3,889	8,238	26,126	65,444	3,180	3,886	31,759
357	Office machines, n.e.c	14	9	2,147	12,635	1,304	2,496	6,534	26,345	(Z)	2,511	17,978
358	Service industry machines	42	16	1,937	11,944	1,268	2,521	6,627	18,385	791	2,792	15,455
359	Miscellaneous machinery	214	16	2,088	12,811	1,682	3,633	9,511	19,576	852	2,655	19,016
36 361	Electrical machinery Electric distribution	345	157	37,623	233,584	27,048	52,709	139,939	349,978	12,905	36,446	283,781
	products	51	20	6.439	41.195	4,550	8,740	25,262	74,351	2,810	7,746	71,535
362	Electric industrial apparatus	31	13	1,221	6,549	937	1,937	4,300	11,680	567	1,060	8,669
364	Lighting and wiring devices	51	20	7,484	44,038	5,695	11,299	29,339	88,298	2,716	7,565	64,802
365	Radio and TV receiving			1								
	equipment	27	13	1,988	9,175	1,572	2,928	6,210	19,413	505	1,613	17,934
367	Electronic components	103	54	7,994	41,500	6,013	11,491	25,546	60,961	3,050	8,409	53,636
369	Electrical products, n.e.c	24	9	1,544	8,109	1,208	2,259	5,719	16,573	(Z)	1,739	13,568
37	Transportation equipment	50	24	11,353	87,292	7,292	16,175	52,059	223,589	9,692	14,925	163,530
38	Instruments and related											
	products	110	40	4,722	26,864	3,337	6,563	15,837	52,942	2,017	4,649	38,099
381	Scientific instruments	17	7	812	5,523	580	1,221	3,216	9,190	(2)	1,770	11,020
382	Mechanical measuring devices.	26	13	2,035	11,494	1,426	2,721	7,143	19,991	544	1,300	11,484
39	Miscellaneous manufacturing,					0.000	30.544	10 550	05.012	/ 200	12.511	77,396
	including ordnance4	314	114	11,448	56,333	9,313	18,766	40,772	95,013	4,129	2,955	22,416
391	Jewelry and silverware	93	33	2,741	14,695	2,148	4,194	9,865	22,770 30,301	(Z) 1,834	3,373	23,586
394	Toys and sporting goods	37	21	3,958	18,035	3,438	7,206	15,172 5,025	10,363	834	1.079	8,441
396	Costume jewelry and notions	31	9	1,481	6,776	1,234	2,407	5,025	10,363	034	1,079	0,441
398 399	Miscellaneous manufactures4	112	39	2,547	13,363	1.959	3,820	8,505	24,613	970	2,532	16,478
190	J. Priscellaneous manufactures	112	39	2,547	23,363	1,959	3,020	8,505	24,015	370	2,772	10,470
	Administrative and auxiliary5	_	_	25,758	232,071	-	-	-	-	-	18,935	-

NEW YORK, N.Y.-NORTHEASTERN NEW JERSEY SCA

("All manufacturing"totals for the New York, N.Y.-Northeastern New Jersey Standard Consolidated Area (which includes the Jersey City, Newark, and Paterson-Clifton-Passaic Standard Metropolitan Statistical Areas and Middlesex and Somerset Counties in New Jersey) appear in table 2. Industry group statistics for this area are shown in the 1963 Census of Manufactures report for the State of New York.)

					(See fo			PASSAIC SMSA e 2 for SMSA	description)		
	All industries, total ²	3,765	1,288	175,282	1,047,375	123,158	248,749	641,046	1,984,567	72,863	r _{158,550}	1,464,579
20 202 205 207 208	Food and kindred products Dairies. Bakery products. Candy and related products Beverages	205 45 48 8 38	70 17 19 2 9	8,982 1,226 3,925 250 768	53,186 7,433 21,123 1,063 4,815	6,270 692 3,141 222 321	12,980 1,317 6,672 414 691	32,206 3,774 15,553 872 1,757	144,707 18,946 65,947 1,836 13,848	5,702 1,233 1,303 (Z) 580	7,185 1,207 3,000 263 687	91,700 19,628 32,353 965 8,787
22 221 222 223	Textile mill products	306 12 36	134 4 19	12,361 297 1,151	70,186 1,066 6,182	10,615 264 990	22,379 526 1,985	54,725 910 5,114	121,288 2,287 12,758	5,056 (Z) (Z)	16,723 591 1,308	118,232 3,984 12,160
224 225 226	wool Narrow fabric mills Knitting mills Textile finishing, except	11 44 51	12 25	657 1,070 1,438	3,210 5,415 6,658	564 880 1,251	1,210 1,612 2,509	2,452 3,810 4,971	6,112 8,599 11,402	(D) (Z) 810	1,734 1,029 1,599	10,825 6,548 8,757
229	wool Miscellaneous textile goods	94 39	54 12	6,096 1,139	39 ,13 1 5 , 942	5,255 942	11,648 1,897	31,068 4,292	64,760 10,191	2,267 (Z)	8,275 1,092	60,837 7,080
23 231	Apparel and related products Men's and boys' suits and	582	249	16,465	60,384	15,086	27,299	51,361	98,638	1,959	14,911	67,168
232 233 234	coats Men's and boys' furnishings Women's and misses' outerwear Women's and children's	18 19 176	14 13 125	1,323 1,076 6,540	5,209 3,518 22,538	1,273 1,001 6,060	2,348 1,766 10,295	4,816 3,082 19,611	6,824 4,648 32,032	(Z) (Z) 537	1,475 1,372 5,883	5,245 3,302 20,470
238 239	underwear Miscellaneous apparel Fabricated textiles, n.e.c	21 32 276	13 19 45	1,503 1,029 3,617	5,187 3,191 15,768	1,302 948 3,237	2,389 1,672 6,570	3,793 2,673 13,048	11,670 4,536 28,960	(Z) (Z) 1,087	1,191 783 2,484	8,592 4,766 16,225
25 251 259	Furniture and fixtures Household furniture Furniture and fixtures,n.e.c.	121 78 12	34 23 3	2,478 1,613 308	12,251 7,135 1,921	2,113 1,396 247	4,113 2,673 500	9,123 5,570 1,220	19,653 12,503 2,466	748 (Z) (Z)	2,161 1,592 265	15,329 10,297 2,658
26 263 264 265	Paper and allied products Paperboard mills Paper and paperboard products Paperboard containers and	118 7 50	65 6 20	8,615 930 3,152	52,722 6,619 18,557	6,685 715 2,337	14,366 1,864 4,850	35,622 4,656 12,144	93,887 11,158 34,983	5,680 1,041 2,227	6,960 1,030 2,242	67,013 13,628 23,442
200	boxes	55	34	3,831	22,984	3,072	6,464	15,505	40,864	2,015	3,180	25,521

NEW JERSEY

11

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MARRACTURING ENTLINES: 1968 AND 19:0-000 OR OR CORRECTION OF MARRACTURING ENTLINES: 1968 AND 19:0-000 OR OR CORRECTION OF MARRACTURING ENTLINES: 1968 AND 19:0-000 OR OR CORRECTION OF MARRACTURING ENTLINES: 1968 AND 19:0-000 OR OR CORRECTION OF MARRACTURING ENTLINES: 1968 AND 19:0-000 OR OR CORRECTION OF MARRACTURING ENTLINES: 1968 AND 19:0-000 OR CORRECTION OF MARRACTURING ENTLINES: 1968 AND 1

(See text for explanation of column captions)

				(See text i	ror explana	tion of col	umn captions	3)				
						196	5				19	5ê
Code	Industry group	Establi num		All emp	loyees	Pro	duction work	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures, new 1	ees, namter	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
					P.F	ATERSON-CLIF	TON-PASSAIC	SMSAConti	inued			
2" 2"1 2"2 2"3 2"4	Printing and publishing Newspapers	375 45 22	74 6 4	10,554 1,114 329	59,219 5,609 2,026	5,277 *3- 22 506	10,179 979 37 839	28,001 2,922 63	115,707. 9,871 7,630	4,343 (Ē)	9,006 1,334 219	13,062 3,669
275 276	Books Miscellaneous publishing Commercial printing Manifold tusiness forms	24 16 199 12 19	25	3,570 271 3,026 879	19,116 1,071 17,540 5,648	104 2,417 551	215 4,803 1,036	2,404 13,210 3,197	50,075 2,218 27,129 7,535	1,481 (Z) 1,590	2,809 150 2,796 674	33,761 1,510 24,562 5,425
2~8 2~9	Bookbinding and related work. Printing traies services	36	3	942 384	4,290 2,830	259	1,683 521	3,739 1,9 55	7,055 3,823	(Z) (Z)	513 511	3,704 4,199
28 281 282 283 284 285	Chemicals and allied products. Basic chemicals Fibers, placelies, rubbers. Drugs, and toilet sood. Paints and allied products.	267 51 17 28 74 43	102 23 5 12 27 18	13,105 3,313 691 879 4,896 877	86,496 23,154 -,540 5,180 30,708 5,998	8,824 2,413 4°3 567 3,190 538	18,289 5,161 1,010 1,106 6,628 1,058	50,329 15,582 1,925 2,750 17,357 2,942	301,969 65,754 19,365 13,503 149,904 14,681	10,095 4,207 797 568 2,330 (Z)	10,252 2,711 166 734 4,236 736	186,640 33,230 2,165 8,824 97,166 8,011
289	Miscellaneous chemical products	>3	17	2,431	16,512	1,625	3,308	9,724	38,471	1,913	2,183	36,451
306 307	Rubber and plastics products, n.e.c	133 32 101	63 17 46	8,698 4,835 3,863	48,493 29,123 19,370	6,702 3,569 3,133	13,670 7,135 6,535	33,059 19,869 13,181	89,972 51,216 38,756	6,313 2,005 4,308	7,061 5,237 1,824	58,593 44,179 14,414
31	Leather and leather products	37	20	2,073	3,323	1,395	3,323	6,554	13,779	(Z)	2,002	10,976
32 32° 329	Stone, clay and class products. Concrete and plaster products Nonmetallic mineral products.	108 46 25	36 18 7	3,185 1,202 986	19,108 7,700 6,196	2,331 772 734	4,712 1,661 1,435	12,392 4,390 4,309	37,328 18,640 9,444	1,903 1,214 (Z)	2,734 1,030 1,138	23,435 10,676 8,549
33 332 336	Primary metal industries Iron and steel foundries Nonferrous foundries	62 5 15	35 4 8	5,409 768 704	35,323 4,382 4,142	3,954 686 584	8,193 1,390 1,175	23,908 3,711 3,120	59,190 6,480 5,647	2,845 (Z) (Z)	5,488 776 447	50,814 5,049 3,073
34 342 344 345 346 348	Fabricated metal products Cutlery, hand tools, hardware Structural metal products Screw machine products Metal stampings.	363 19 133 40 30	111 7 36 11 9	12,505 860 3,152 1,310 925	74,068 4,676 18,302 8,218 5,024	9,681 656 2,396 930 749	20,339 1,385 4,954 1,983 1,434	52,083 3,201 12,662 5,313 3,388	142,401 9,049 32,540 13,670	5,295 (Z) 876 571 (Z)	9,436 766 2,303 1,137 6-3	82,357 5,914 19,658 10,183 4,700
	Fabricated wire products,	18	7	646	3,253	541	1,105	2,437	5,961	(2)	511	4,294
349	Fabricated metal products, r.e.c	34	13	1,577	10,223	1,043	2,227	5,934	21,830	982	1,372	13,837
35 353	Machinery, except electrical Construction and like equip-	513	101	9,976	64,983	7,199	15,057	42,245	106,326	4,485	8,756	77,082
354 355 356 359	ment. Metalworking machinery. Special industry machinery. Ceneral industrial machinery. Miscellaneous machinery.	18 110 99 61 181	8 16 30 14 20	1,175 1,331 2,764 1,574 1,715	8,006 8,670 19,468 9,977 10,122	675 1,094 2,110 1,051 1,409	1,400 2,351 4,487 2,129 2,936	3,768 6,828 13,273 5,918 8,133	13,325 14,829 30,418 17,619 16,778	861 1,096 697 1,302	1,207 1,036 2,683 1,765 1,124	10,766 8,558 24,326 16,044 9,125
36 361	Electrical machinery Electric distribution	234	97	30,366	207,046	19,130	38,256	113,915	329,536	9,093	′3)	(3)
362 364 367	products	28 20 56 64	9 8 24 2	1,282 988 2,413 2,042	6,9~6 5,372 11,691 10,437	1,065 734 1,876 1,615	2,165 1,555 3,614 3,228	4,646 3,337 7,145 6,997	13,201 9,852 20,501 14,480	(C) (Z) 731 76°	3,029 830 1,013 3,481	15,857 5,623 4,10 23,681
38 362	Instruments and related products	~2 18	2 4	4,0 67 586	25,180 3,494	2,976 373	5,884 780	15,038 2,353	36,204 5,766	1,058 (Z)	(³) 475	3 4,307
39 394 395	Miscellaneous manufacturing, including ordnance ⁴ Toys and sporting goods Pens, pencils and office	145 31	42 13	4,744 1,803	19,125 6,657	4,047 1,533	7,772 2,821	14,279 4,632	33,170 12,213	1,354 742	3,883 1,431	2:21 9,983
396	supplies	9 16	5 5	761 437	3,970 1,738	591 400	1,264 762	3,038 1,319	5,531 3,292	(Z) (Z)	772 614	5,073 3,847
	Administrative and auxiliary ⁵	-	-	5,854	45,852	-	-	-	-	-	2,220	_
500	footnotes at end of table.											

1963 CENSUS OF MANUFACTURES

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OREMORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued

(See text for explanation of column captions)

	Industry group		1963									1958	
2.11		Establishments, number		All emp	All employees		Production workers			Capital	All	Value	
Code		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by expend- manufac- ture itures, new ¹ (\$1,000) (\$1,000)		employ- ees, number	added by manufac- ture (\$1,000)	
		Camden,	and Gloud	cester Coun	ties in New	ladelphia Jersey) ag	IADELPHIA, P. Standard Met pear in tabl State of Pe	ropolitan .e 2. Indu	Statistical . stry group s				
		New Jer	sey) appea		2. Indust	mington Sta	NGTON, DEL ndard Metrop tatistics f	olitan Śta	tistical Are				

⁽D) Withheld to avoid disclosing figures for individual companies. n.e.c. Not elsewhere classified. (X) Less than \$500 - Represents zero.

- Represents zero. (D) Withheld to avoid disclosing figures for individual companies. n.e.c. Not elsewhere classified. (X) Less than \$500 thousand.

*Includes expenditures for both plants in operation and for plants under construction but not in operation.

*The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

*That for 1958 for Industries 3662 and 3811 not directly comparable with data for 1963. See 1963 Census of Manufactures preliminary reports for Industries 3662 and 3811 for a more detailed explanation. Totals for Group 36, Electrical Machinery, and Group 38, Instruments and Related Products, amounted to 29,092 employees and \$234,124 thousand dollars value added in 1958.

*Includes data for privately owned and/or operated establishments in Major Group 19, "Ordanace and Accessories." Covernment owned and operated establishments are excluded.

*In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishments of no company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishments and was not operated as an integral part of the establishment at the same location.

U.S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

POSTAGE AND FEES PAID U.S. DEPARTMENT OF COMMERCE







preliminary report

Area series

Value added by manufacturing in 1963 in the State of New Mexico amounted to \$170 million, an increase of 14 percent from 1962 and 35 percent from 1958. The Albuquerque Standard Metropolitan Statistical Area, with \$98 million value added, accounted for 58 percent of the State's total value added.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. For 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments, ber	All emp	oloyees ¹	Pr	roduction works	rs	Value	Capital	Index of change (1958 = 100)	
Year	Total With 20 or more employ-ees Num		Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963 1962 ⁹ 1961 ³ 1960 ⁸ 1959 ⁸ 1958	735 (NA) (NA) (NA) (NA) 665	164 (NA) (NA) (NA) (NA) 153	15,236 14,030 13,355 13,672 13,552 13,740	81,249 72,253 65,974 65,820 63,675 59,428	10,091 9,297 9,020 9,326 9,470 9,795	20,598 18,764 18,568 19,570 19,990 19,203	46,598 42,663 40,079 40,542 39,512 37,950	r170,453 r149,024 r135,177 r138,800 r129,162 r126,043	r9,491 r7,183 r(8,974) r19,405 r18,731 r21,446	111 102 97 100 99 100	135 118 107 110 102 100

(MA) Not available. Thevised.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. The estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

June 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary BUREAU OF THE CENSUS,



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in

EXPLANATION OF TERMS

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number.--This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1967: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

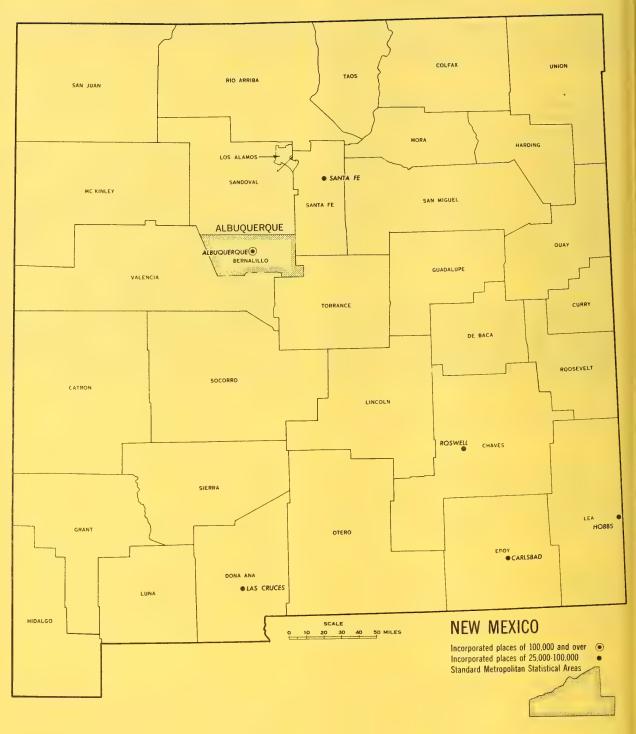
The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



NEW MEXICO

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

				- or outprome		- Caption	- ,				
					196	3				19	58
State, standard metropolitan statistical areas.	Establi num	shments,	All emp	loyees ²	Pro	duction wor	kers	Value added by	Capital	All	Value
and counties1	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
NEW MEXICO, TOTAL	735	164	15,236	81,249	10,091	20,598	46,598	170,453	9,491	13,740	r ₁₂₆ ,043
STANDARD METROPOLITAN STATISTICAL AREAS											
Albuquerque4	261	71	8,041	46,788	4,942	10,276	25,526	98,182	3,516	6,670	r _{68,205}
COUNTIES1											
Bernalillo. Chaves. Colfax. Curry. Dona Ana.	261 42 28 34 25	71 14 6 7 4	8,041 889 332 492 292	46,788 4,174 1,177 2,244 1,959	4,942 465 265 326 112	10,276 1,011 469 645 218	25,526 1,916 887 1,203 399	98,182 8,635 1,959 4,968 2,298	3,516 (Z) (Z) 1,103 (Z)	6,670 759 391 415 426	r68,205 9,445 1,838 3,143 2,982
Eddy. Lea. Luns MoKinley. Otero.	35 39 13 12 25	9 5 2 3 4	602 391 286 597 299	3,080 2,173 1,378 2,855 2,095	448 276 221 512 173	884 570 528 1,053 333	2,134 1,516 844 2,178 555	6,103 3,969 2,927 7,436 1,553	(2) 799 (Z) 642 (Z)	646 456 178 387 343	6,592 7,012 812 4,220 2,004
Rio Arriba. San Juan. San Miguel Santa Fe.	13 32 17 40	5 7 3 9	278 357 259 771	830 2,058 746 3,880	242 230 223 561	463 487 402 1,162	730 1,157 602 2,591	1,466 4,767 1,110 7,015	(Z) (Z) (Z) (Z)	242 436 326 646	1,005 4,624 1,280 4,368

⁽²⁾ Less than \$500 thousand.

1 Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

2 Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

3 Includes expenditures for plants under construction but not in operation.

4 The Albuquerque Standard Metropolitan Statistical Area is coextensive with Bernalillo County, N. Mex.

1963 CENSUS OF MANUFACTURES

Table 3.-GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

						196	3				19	58
Code	Industry group	Establi num	shments,	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
	All industries, total ²	735	164	15,236	81,249	10,091	20,598	46,598	170,453	9,491	13,740	r126,043
20 201 202 204 205 208 209	Food and kindred products Meet products. Dairies Grein mill products. Bakery products. Beverages. Miscellaneous foods and kindred products.	156 24 20 16 29 32	50 8 8 4 11 12	3,548 715 713 262 887 575	16,061 3,321 3,588 1,108 3,884 2,614	1,997 512 278 186 430 289	4,193 1,098 671 355 926 510	7,542 2,309 1,264 526 1,541 799	33,971 7,069 9,007 2,319 7,660 4,489	2,525 (Z) 1,385 (Z) (Z) (Z) (Z)	3,507 503 895 283 844 518	29,176 4,681 7,272 2,345 7,289 3,870
23	Apparel and related products	24	3	317	879	295	541	767	1,733	(Z)	506	2,091
24 242 243	Lumber and wood products Sawmills and planing mills Millwork and related products	116 52 26	27 16 6	2,226 1,402 458	8,405 5,064 2,292	1,984 1,275 389	3,728 2,296 828	6,994 4,183 1,854	13,621 8,538 3,241	1,791 1,178 (Z)	1,812 1,220 336	11,559 6,315 4,016
27 271 275	Printing and publishing Newspapers	123 43 56	17 12 4	1,469 1,013 344	7,519 5,293 1,702	849 531 252	1,632 1,002 508	4,330 2,792 1,208	14,235 10,504 2,783	735 548 (Z)	1,436 1,001 382	11,945 8,419 3,156
29	Petroleum and coal products	8	6	504	3,225	392	795	2,302	10,356	(Z)	661	9,380
32 327	Stone, clay and glass products. Concrete and plaster products	76 63	17 14	1,286 1,051	6,793 5,467	928 754	1,942 1,592	4,504 3,611	19,212 13,298	1,887 1,606	1,066 833	8,064 6,810
34	Fabricated metal products	27	5	339	1,625	277	571	1,183	3,261	(Z)	492	4,075
35 359	Machinery, except electrical Miscellaneous machinery	76 53	10. 4	635 380	3,746 2,361	483 316	1,053 699	2,609 1,832	6,274 4,020	(Z) (Z)	563 309	4,823 2,332
	Administrative and auxiliary3	-	-	156	2,338	-	- '	-	-	-	97	-

⁽Z) Less than \$500 thousand.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

(This State contained no standard metropolitan statistical areas with 40,000 or more manufacturing employees)

⁻ Represents zero. (Z) Less than \$500 thousand.

¹Includes expenditures for plants under construction but not in operation.

²The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

³In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U,S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II. Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS
WASHINGTON, D.C. 20233

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1963 CENSUS OF MANUFACTURES



Area series NEW YORK

preliminary report

Value added by manufacturing in 1963 in the State of New York amounted to \$19,510 million, an increase of 2 percent from 1962 and 23 percent from 1958. Of this total, \$2,556 million was contributed by the printing and publishing industries and \$2,448 million by the apparel and related products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. For 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1. -- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments, ber	All emp	oloyees ¹	Px	roduction worke	ers	Value	Capital	Index of (1958 =	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	+6,163 (NA) (NA) (NA) (NA) (NA)	(NA) (NA) (NA) 15,000	1,349,391 1,906,803 1,902,610 1,966,356 1,963,900 1,910,012	11,116,459 r10,899,239 r10,447,597 r10,474,150 r0,179,381 19,622,628	1,255,014 1,281,602 1,285,699 1,340.700 1,347,858 1,303,126	2,452,216 2,495,652 2,492,953 2,596,999 2,614,919 2,487,134	6,178,969 5,996,715 5,744,834 5,847,913 f. 20.405 5,423,559	19,510,191 19,124,684 18,083,104 18,012,802 17,514,164 15,891,767	718. 16 118. 16 11.75 741,523 696,143	77 - , 103 103 100	123 12 114 113 1100

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

The data are estimates derived from a representative sample of manufacturing establishments can wassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

June 1969

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number.-This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours. --This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

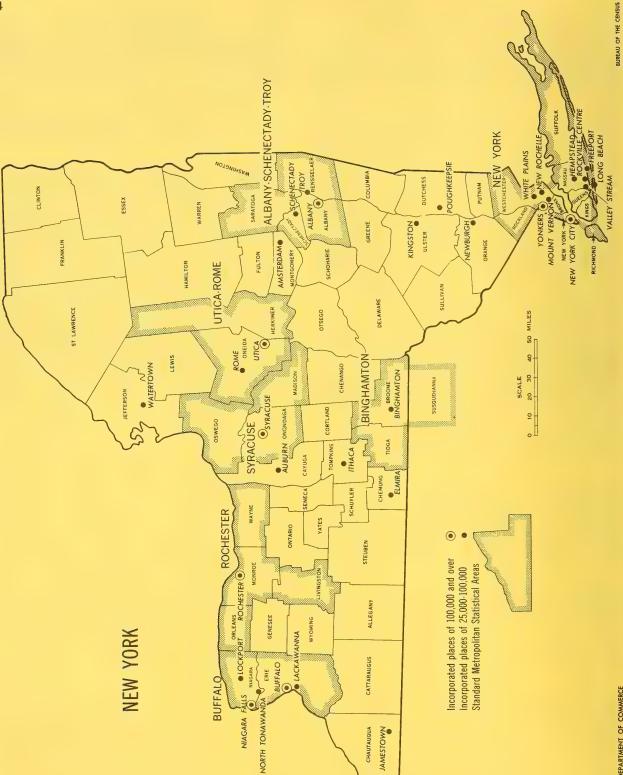
The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



TALLY C. — NUMBER STATISTICS FOR THE STATE, STANDARD MOTERNING STATISTS ALB ARMS, AND TERRITIES: 1+3 AND 1 .

(See text for explanation of column captions)

					196	3				19	58
Stan . Graskan in spopolica	Estacli	snments,	All emp	loyees ²	Pro	duction wor	kers	Value	Capital	All	Value
. eti tipe. enyet. en ente. i	Total	With 20 or more employ- ees	Numcer	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
NEW YORK, TOTAL	46,163	7 m 4 mm	1, 1, 1	11,116,459	1,255,014	2,452,216	6,179,469	19,510,191	. 7~7 ,, 9~	1,915,512	75,501,70
ST MONEO NETROPOLITAN STATISTICAL AREAS											
IMMER - No. 1	699 113 3.1	257 153 19	62,016 41,697 39,296 2,401	395,073 258,701 248,260 10,441	41,104 26,099 24,110	82,403 50,676 46,802 3,874	229,917 125,140 117,629 7,511	684,723 339,667 324,535 15,132	30,937 19,821 19,287 534	72,359 £46,618 £44,328 2,290	310,640 299,777 10,863
Fight 1 6 New Time? New Time. Heart in in New York Portion in New Jersey	1,775 37.356 49,016 37,356 11,660	11,270 15,458 11,270 -,1	1,146,676	1,102,875 6,699,488 10,607,640 :.!**/,-	117,622 768,965 1,200,484 768,965 431,519	241,768 1,473,845 2,345,615 1,473,845 371,770	732,728 3,535,516 5,811,892 3,535,516 2,276,376	19,123,842	116,399 345,653 724,067 345,653 378,414	r1,73,874 r1,182,501 r1,795,479 r1,182,501 612,978	1,715,627 9,388,523 15,267,750 9,388,523 5,879,227
Pach of a ⁹ . Symuseli Vilos-Pace ¹¹ .	1,188 753 1	406 272 166	121,359 65,719 37,934	837,147 411.364 214,331	80,753 40,673 26,813	160,875 81,967 53,850	470,895 225,915 130,668	1,756,139 777,072 446,192	86,796 38,153 15,605	116,717 r69,514 r _{40,562}	1,174,614 679,910 344,834
COUNTIES1											
alk sy. Class Bronx Borough). From Outstrages	334 66 1,927 291 133	124 15 730 119 46	21,724 2,842 24,551 34,046 7,597	130,093 16,927 268,932 2 5,007 39,633	15,783 1,929 44,461 22,286 5,514	32,308 3,791 85,137 43,330 11,121	95,252 9,775 181,925 108,854 25,259	249,446 32,239 467,599 249,649 69,929	11,334 707 14,713 17,395 3,423	21,327 3,130 52,546 39,767 8,480	181,592 29,388 362,027 242,611 60,781
Situate Total in Lague To muse To seed	104 293 101 70 66	3 114 45 23 22	6,297 19,145 13,576 4,582	34,033 106,328 76,862 23,302 15,973	4,548 14,545 10,106 3,077 2,314	8,926 29,406 19,952 6,051 4,979	21,398 75,199 51,656 12,425 11,729	54,702 175,976 143,706 65,745 52,585	2,959 6,083 7,260 1,929 3,008	6,953 20,636 14,962 4,060 2,235	42,420 165,903 135,065 55,113 38,459
Notar is. Durit 4 v. Tileson Darit 5 Esi	236 1,474	46 33 100 528	3,675 5,918 7,224 23,094 123,744	17,826 28,100 38,336 183,351 835,974	2.914 4,623 5,113 11,896 91,760	5,811 9,158 10,532 24,022 183,410	12,403 19,861 24,390 66,507 570,841	37,866 55,067 63,279 169,682 1,521,823	2,060 1,844 2,971 33,388 87,509	3,934 4,750 5,710 23,128 128,476	31,666 34,770 46,206 124,586 1,237,463
Ec Forestells Function Since Greene	64 69 224 12 61	9 19 85 35 19	1,473 1,747 8,169 6,110 2,290	9,534 6,046 31,384 35,023 10,506	1,480 1,527 7,038 4,799 2,008	3,252 3,35 12,789 9,846 4,048	8,246 4,837 23,890 25,426 8,645	17,031 10,071 53,551 88,369 19,831	2,449 (Z) 1,074 3,122 1,409	2,090 1,537 8,607 5,732 1,329	13,413 7,878 49,204 57,183 16,593
Herkiner Jedo m. a. Adaga (Denakija D. n. gan). L. wi. Liwingg-an	116 119 7,391 66	47 31 2,720 14 24	11,933 225,116 1,862 3,211	63,535 31,507 1,101,980 9,850 14,951	8,967 4,278 183,956 1,454 2,682	18,366 8,907 347,145 3,064 5,213	42,225 22,209 775,802 6,901 11,096	173,741 56,359 2,160,330 17,199 32,203	5,009 3,629 61,163 2,005 1,978	9,899 5,981 229,478 1,648 3,449	90,734 45,478 1,766,033 13,087 25,842
Validon Volume Monag o ry. New Yura 'anhattan Borough).	2,166 20,158	20 327 5,601 5,242	1,944 109,346 8,479 97,228 506,323	10,919 778,728 39,436 651,251 3,011,427	1,198 71,293 6,183 61,529 298,745	2,321 141,744 12,496 122,705 558,750	5,286 431,869 23,731 353,880 1,309,237	13,320 1,627,087 74,276 1,127,097 4,679,846	1,095 80,127 3,217 46,399 98,841	2,373 104,215 9,240 79,531 569,440	11,947 1,072,709 62,902 736,275 4,151,720
Milagos. Ocedian Oromania Octobri Orang	301 346 593 97 349	129 119 215 44 162	38,631 26,001 56,133 4,150 15,280	266,901 150,796 357,890 22,675 68,591	25,862 17,846 33,768 3,021 12,685	53,158 35,491 68,571 6,245 24,397	161,887 88,443 192,489 -+,(-3 50,010	545,408 272,451 673,978 42,708 137,248	28,890 10,596 29,683 3,480 6,909	45,398 30,663 59,011 4,182 15,687	478,164 254,100 586,454 31,507 104,153
Orleans Com po. Otto Tr. Putnam. Queens (Sueens Borough).	40 101 65 39 2,946	20 37 19 C82	1,678 7,642 1,429 945 132,086	8,085 42,555 5,586 5,137 760,618	1,439 5,707 1,112 7,7 95,906	373 11,075 2,194 1,419 190,222	6,412 28,140 3,952 3,422 462,739	27,712 89,774 12,148 10,017 1,401,487	613 7,375 (1) 595 57,126	2,060 8,130 1,511 273 135,737	23, F32 81,509 8,985 5,034 1,149,897
Remote Last. Richards (Richards Foreign). Pochiast. St. Lawrence. Carants a See footnotes at end of table.	159 172 198 2r 2r	29 41	10,213 8,371 12,381 7,207 7,802	49,724 49,976 75,444 47,557 41,983	7,483 6,175 8,877 5,554 6,029	14,348 12,108 17,697 11,380 12,104	32,614 32,585 45,849 34,874 29,219	108,103 115,104 256,044 118,683 81,269	3,022 3,893 13,317 4,574 9,898	11,937 9,943 11,=6, 6,832 7,148	104,400 130,917 212,233 60,044 59,642

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958—Continued (See text for explanation of column captions)

					196	3				19	58
State, tandard metropolitan	Establi num	shments, ber	All emp	loyees ²	Pro	duction work	kers	Value	Capital	All	Value
ctatistical area., and counties ¹	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
COUNTIES1—Continued											
Seningsetady Ceningsetady Schuyler Senica Steaben	108 27 21 35	35 10 6 15 3r	1, 142 2,302 14,746	173,273 2,780 6,036 12,984 93,090	11,809 542 786 1,857 9,636	23,643 988 1,691 3,885 19,818	82,132 2,169 3,887 9,709 51,469	245,905 5:184 13,329 23,839 130,307	6,683 (Z) 1,261 1,537 6,856	31,947 1,085 1,190 3,185 13,817	295,26 10,15 14,27 24,94 103,73
Suffolk Sullivan Tioga Tomphins Ulster	1,010 26. 41 57 237	28 · 9 15 13 84	43,611 704 5,250 5,506 13,808	291,025 3,023 42,633 29,497 88,640	30,771 544 1,824 4,112 8,200	62,501 1,083 3,472 8,071 16,032	178,663 2,225 8,775 19,495 37,296	433,027 7.352 74,886 48,615 108,255	15,533 (Z) 1,892 1,395 6,210	32,453 756 4,541 5,538 12,659	271,779 5,033 57,170 43,733 96,88
Warreng ton Warring ton Warreng Warreng Warring Yan o	105 82 123 1,398 55 31	28 24 35 4c1 21	4,410 4,710 7,124 65,208 3,317 1,102	22,093 27,067 35,383 418,435 14,663 4,087	3,454 3,614 5,339 38,545 2,812 886	6,854 7,713 10,845 77,580 5,743 1,818	15,098 17,869 21,518 194,836 11,530 3,133	41,776 60,402 69,137 753,116 33,836 8,718	2,515 2,748 4,078 34,668 952 662	4,551 4,835 6,993 61,893 2,863 1,043	36,06 44,59 55,18 611,64 20,54 6,74

(Z) L.c. than \$500 thou.and.

(Some counties we re withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

*Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

*Includes expenditures for both plants in operation and for plants under construction but not in operation.

*The Albany-Schenectudy-Troy Standard Mctropolitan Statistical Area consists of Brown, Rensselaer, Saratoga, and Schenectady Counties, N.Y.

*The Buffalo Standard Mctropolitan Statistical Area consists of Brown and Tioga Counties, N.Y.

*The New York Standard Mctropolitan Statistical Area consists of Eric and Niagara Counties, N.Y.

*Suffolk, and Westchecker Counties, N.Y.

*The New York Standard Mctropolitan Statistical Area consists of He following Standard Mctropolitan Statistical Areas: New York, N.Y.-Northeastern New Yorks and Standard Consolidated Area consists of the following Standard Mctropolitan Statistical Areas: New York, N.Y.
*The New York, N.Y.-Northeastern New Yorks Standard Consolidated Area consists of the following Standard Mctropolitan Statistical Areas: New York, N.Y.
*The Rochester Standard Mctropolitan Statistical Area consists of Livingston, Monroe, Orleans, and Wayne Counties, N.Y.

*The Rochester Standard Mctropolitan Statistical Area consists of Madison, Oncodaga, and Oswego Counties, N.Y.

*The Buffalo Standard Mctropolitan Statistical Area consists of Medison, Oncodaga, and Oswego Counties, N.Y.

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958 (See text for explanation of column captions)

1963 1958 Establishments, All employees Production workers Capital

"ode	Industry group	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures,	employ- ees, number	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
											Ĺ	
	All industries, total ²	46,163	14,449	1,849,991	11,116,459	1,25.,014	2,4 2,.10	6,178,969	19,510,191	776,697	1,915,512	15,891,767
20	Food and kindred products	3,013	1,044	129,305	755,882	85,033	173,839	440,407	1,845,385	79,322	148,832	1,649,400
201	Meat products		133	12,707	78,521	9,727	20,928	54,158	137,367	5,377	13,745	125,524
202	Dairies		237	19,791	113,230	10,188	21,283	54,934	273,667	14,898	23,682	256,885
203	Canned and frozen foods	329	141	15,254	63,769	13,224	27,388	50,073	206,372	10,697	16,096	156,049
204	Grain mill products		44	6,766	43,097	5,272	10,884	30,468	141,396	5,213	8,274	133,459
207	Candy and related products	126	55	12,790	61,165	10,046	19,350	41,205	164,391	6,118	13,560	152,837
21	Tobacco manufactures	33	4	330	970	293	536	81.1	2,952	(Z)	588	3,626
22	Textile mill products	1,697	677	55,620	262,155	46,526	91,356	191,018	474.580	17.833	60.105	410,471
222	Weaving mills, synthetic	53	10	1,102	5,629	936	1,731	4,178	10,609	(Z)	1,296	9,821
223	Weaving, finishing mills,							ĺ í	, , , , , , , , , , , , , , , , , , ,		1	
	wool		23	3,432	19,784	2,627	5,076	13,010	31,875	1,385	4,101	31,930
224	Narrow fabric mills		18	1,995	10,435	1,615	3,154	7,326	20,371	593	2,442	17,502
225	Knitting mills	970	458	32,667	143,293	27,975	53,971	107,444	273,023	8,357	32,243	220,060
226	Textile finishing, except											
	wool		57	4,787	25,639	4,111	8,508	20,074	52,501	2,876	5,259	40,460
228	Yarn and thread mills	80	25	2,479	10,366	1,890	3,861	6,373	18,737	(Z)	2,610	16,832
229	Miscellaneous textile goods	196	75	7,303	37,621	5,922	11,954	26,011	58,758	3,028	7,545	52,385
23	Apparel and related products	12,740	4,921	317,461	1,295,127	268,376	480,541	954,118	2,447,861	29,741	342,286	2,182,529
231	Men's and boys' suits and		1	i i				ĺ	, ,	<u> </u>	,	
	Joats	405	194	30,970	137,337	26,858	47,445	108,287	239,638	1,803	31,587	191,330
232	Men's and boys' furnishings	833	283	23,099	89,506	18,781	33,644	60,552	190,687	1,835	27,237	170,751
233	Women's and misses outerwear.	4,880	2,576	137,019	563,036	115,928	202,919	416,254	1,054,723	13,346	140,444	934,255
234	Women's and childrens!											
	underwear		333	27,871	103,952	23,323	40,224	69,312	204,359	2,179	34,615	195,354
235	Millinery, hats and caps		206	12,347	50,356	10,705	19,395	40,164	83,328	665	15,357	97,483
236	Children's outerwear		365	22,076	82,193	18,826	33,444	58,340	159,684	1,923	26,008	158,383
237	Fur goods	1,392	84	8,380	52,076	6,945	17,223	42,223	99,717	1,067	8,489	86,721
238 239	Miscellaneous apparel	822	335 545	19,715	75,925	16,369 30,641	28,883 57,361	53,800 105,186	151,068	1,587	22,756	137,208
										5 336		

NEW YORK

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1993 AVD 1358—Continued

(See text for explanation of column captions)

				(See text)	tor explana	tion of cor	umn caption	s <i>)</i>				
						196	3				19	58
0-3-	T-24	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ¹ (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
24 241 242 243	Lumber and wood products Logging camps and contractors Sawwills and planing mills Millwork and related products	1,281 168 333 321	216 4 51 70	16,202 676 3,501 4,885	72,596 2,098 13,064 28,346	13,576 607 3,032 3,824	27,068 1,147 6,1 7 9 7,628	54,653 1,934 10,664 20,001	125,011 4,006 20,721 47,847	7,068 796 2,52- 1,569	16,560 692 4,095 4,690	106,506 4,149 24,876 37,473
244 249	Wooden containers	82 377	18 73	1,370 5,770	5,277 23,811	1,217 4,896	2,320 9,794	4,232 17,822	9,480 42,277	639 1,536	1,323 5,760	6,014 33,994
25 251 252 253 254 259	Furniture and fixtures. Household furniture. Office furniture. Public building furniture. Partitions and fixtures. Furniture and fixtures,	1,591 917 85 25 356	385 222 35 6 96	33,529 18,216 4,918 593 7,016	173,201 86,774 25,864 3,218 43,305	27,568 15,208 4,020 481 5,751	55,775 29,794 8,101 974 12,697	128,905 65,516 19,479 2,374 32,198	292,136 146,620 45,623 5,648 67,015	7,969 4,216 1,429 (1 1,689	36,233 21,258 4,385 917 7,033	271,401 146,235 41,983 9,202 55,392
26	n.e.c	208	26 500	2,786 60,248	14,040 341,440	2,108 48,566	4,209 101,265	9,238 245,7 05	27,230 599,304	512 48,808	2,640 65,723	18,589 568,364
262 263 264 265	Paper and allied products Paper mills, except building. Paperboard mills Paper and paperboard products Paperboard containers and	64 34 532	49 26 210	11,801 2,604 21,320	76,278 16,578 114,081	10,028 2,160 16,482	22,377 5,133 33,736	62,056 13,157 77,096	139,645 27,239 215,215	18,014 5,230 10,747	11,718 3,019 24,059	116,146 26,141 219,441
27 27]	Printing and publishing Newspapers	369 6,515 550	209 1,286 124	23,693 171,251 33,184	129,526 1,151,154 228,397	19,229 92,879 19,780	38,651 174,646 30,879	89,574 560,504 119,901	207,406 2,555,892 376,818	14,003 74,452 10,911	25,910 175,119 35,931	198,532 1,955,806 322,448
272 273 274 275 276	Periodicals. Books Miscellaneous publishing. Commercial printing. Manifold business forms	670 543 423 3,193 79	136 166 45 468 23	29,464 24,600 6,987 46,477 3,315	228,139 158,638 43,695 306,820 20,192	2,393 7,905 2,016 36,595 2,453	4,818 15,727 3,948 72,401 4,818	16,547 46,400 11,084 226,306 14,072	771,781 532,724 86,540 491,334 40,855	14,438 12,655 2,098 25,850 1,844	29,972 21,186 6,303 48,374 3,257	504,185 337,626 79,256 430,330 38,517
277 278 279	Greeting card manufacturing Bookbinding and related work. Printing trades services	84 4 48 525	27 142 150	4,151 12,443 10,630	19,838 60,980 84,455	2,933 10,826 7,978	5,902 20,749 15,404	12,585 48,246 65,363	38,332 96,215 121,293	733 2,993 2,930	5,272 13,017 11,807	41,029 84,643 117,772
28 281 283 284 285 287	Chemicals and allied products. Basic chemicals Drugs Cleaning and toilet goods Paints and allied products	1,343 138 210 445 189	347 51 63 101 43	61,732 13,887 17,954 13,716 3,589	399,453 95,876 121,127 73,893 24,155	40,079 9,463 11,766 9,116 2,056	81,199 19,519 22,366 17,857 4,321	218,516 59,710 61,054 39,454 10,499	1,357,895 230,129 550,496 29,642 55,397	57,214 15,426 21,845 6,508 1,468 937	64,261 15,773 19,503 12,295 4,161 991	1,110,814 211,041 46.,635 224,081 53,004
289	Agricultural chemicals Miscellaneous chemical products	37 241	14	939 4,962	4,853 30,797	520 3,358	1,048 6,781	2,515 17,186	14,350 74,033	3,143	6,038	9,319 72,958
29 291 295	Petroleum and coal products Petroleum refining Paving and roofing materials.	144 10 106	28 5 18	2,406 987 1,105	17,890 7,790 7,987	1,642 739 738	3,420 1,465 1,583	11,832 5,704 5,176	48,675 19,898 21,211	3,418 1,243 1,980	3,021 1,506 1,203	34,395 12,089 19,334
299	Petroleum and coal products,	28	5	314	2,113	165	372	952	7,566	(z)	312	2,972
30 306	Rubber and plastics products, n.e.c	782 84	296 32	30,299 6,038	142,121 29,371	25,151 4,600	48,921 8,683	100,337 19,553	269,044 57,542	17,887	25,401 5,738	193,518 42,855
31 311	Leather and leather products Leather tanning and finishing	1,267 117	530 31	51,609 3,335	191,671 16,859	45,776 2,905	84,786 5,562	150,903 13,781	310,480 28,336	4,488 (Z)	58,795 4,164	311,675 31,706
313 314 315 316 317	Footwear cut stock	74 224 84 125	23 141 41 50	1,426 18,356 3,967 3,685	5,238 67,741 11,753 12,977	1,263 16,450 3,519 3,277	2,379 26,690 5,844 6,260	54,329 9,258 10,262	8,813 108,497 17,185 22,627	1,933 (Z) (Z)	2,494 25,319 2,838 4,485	12,480 125,481 11,805 26,211
319	goods Leather goods	534 97	224 18	19,368 1,362	71,042 5,550	17,103 1,173	32,403 2,473	54,737 3,994	114,966 8,953	1,443 (Z)	17,506 1,906	91,734 11,736
32 323 325	Stone, clay and glass products. Products of purchased glass Structural clay products	1,058 197 24	267 37 12	39,073 3,499 1,275	241,377 17,103 7,198	30,140 2,916 1,090	61,534 5,784 2,281	169,030 12,715 5,737	473,968 31,150 11,458	31,726 1,210 1,565	40,742 3,899 1,762	384,423 30,864 11,890
326 327 328 329	Pottery and related products. Concrete and plaster products Cut stone and stone products. Nonmetallic mineral products.	49 493 82 170	14 114 11 54	3,502 8,897 824 12,268	18,768 59,663 4,340 79,527	2,869 6,208 658 8,682	5,477 13,382 1,236 17,342	13,726 38,260 3,312 49,985	30,271 132,491 7,281 154,068	1,203 13,874 (Z) 6,640	4,134 8,947 856 10,963	20,531 103,266 0,336 112,124
33 331 332 333 334	Primary metal industries Steel rolling and finishing. Iron and steel foundries Primary nonferrous metal Secondary nonferrous metals	507 54 68 8 59	250 35 48 7 14	67,780 31,066 7,273 2,310 1,815	454,383 224,931 44,212 16,075 11,723	54,612 25,376 6,184 1,844 1,300	108,712 49,802 12,408 3,774 2,609	343,600 174,890 35,341 12,274 7,383	908,473 457,320 74,760 58,294 25,310	49,895 26,883 2,406 734 5,629	26,34 32,060 7,256 2,235 1,488	667,696 345,848 50,684 24,476 10,965
335 336	Nonferrous rolling and drawing	83 161	57 63	17,063 6,269	108,608 37,869	13,093 5,196	26,107 10,748	76,392 29,064	211,043 61,235	11,128	15,658 5,407	163,553 38,775
339	Primary metal industries,	69	26	1,984	10,965	1,619	3,264	€,256	20,511	1,027	4,236	24,395

1963 CENSUS OF MANUFACTURES

Table 3.—CEMERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY CROUPS: 1963 AND 1958—Continued

(See text for explanation of column captions)

Code		Fetabli				1963						
Code	1	num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value	Capital expend-	All employ-	Value added by
	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	itures, new1 (\$1,000)	employ- ees, number	manufac- ture (\$1,000)
	Fabricated metal products	3,048	291	85,619	482,750	66,757	136,609	334,779	844,870	30,109	88,272	738,471
341 342	iktal canc	27 244	14	3,265 11,380	21,739	2,783 8,799	5,848 17,373	17,896 40,383	44,°42 110,888	2,484 3,506	3,830 11,891	36,656 94,427
343	Cutlery, hand tools, hardware Plumbing and heating, except ele trie	105	36	4,585	60,172	3,366	6,695	17,667	54,290	1,278	5,111	48,089
344	Stru:tural metal products	994	296	26,637	164,014	19,780	40,311	109,856	266,784	6,923	29,565	267,313
345	Screw machine products	211	65	6,101	35,406 65,994	4,791	10,881	24,302	64,897	2,600 3,841	5,241	45,977
346 347	Netal stampings	335 605	123 109	12,090	65,994	9,759	19,853	46,469 26,257	113,597 57,698	2,193	11,780 7,728	91,021 49,501
347	Metal services, n.e.c Fabricated wire products, n.e.c.	214	59	7,635 4,842	35,193 24,155	6,465 3,889	12,923 7,959	17,108	41,710	1,500	4,943	34,641
349	Fabricated metal products,			.,	27,7	-,	.,,		,	_,	.,	.,,.,.
	n.e.c	313	89	9,084	49,226	7,125	14,766	35,341	90,164	5,784	8,183	70,846
35 353	Machinery, except electrical Construction and like	2,212	622	131,680	899,585	88,254	181,304	534,105	1,516,356	74,531	139,103	1,180,700
	equipment	109	51	7,475	49,131	4,852	9,992	29,296	82,930	2,246	4,168	45,240
354	Metalworking machinery	773 3°2	136	17,410	117,690	13,337	27,985	83,523 66,540	206,491 187,160	8,728 3,797	16,564	136,555 150,416
355 356	Special industry machinery General industrial machinery.	328	102 97	15,158 24,625	103,430 159,270	10,612 16,153	21,750 33,239	93,098	262,430	12,741	17,870 22,934	192,158
357	Office machines, n.e.c	70	39	37,156	273,124	21,829	44,681	131,511	366,769	31,304	42,457	264,334
358	Service ind cory machines	194	64	11,633	74,967	7,684	15,505	44,499	165,629	5,151	13,087	139,329
359	Miscellaneous machinery	902	116	8,971	52,105	7,353	15,350	39,482	87,124	4,412	9,458	72,423
36 361	Electrical machinery	1,030	722	185,388	1,191,955	,913	232,254	619,989	1,948,630	75,791	r _{140,657}	r _{1,279,688}
	products	139	66	7,387	42,919	5,204 16,910	10,021	24,989	69,580	2,340	7,612	62,790
362	Electric industrial apparatus	151	63	22,809	166,444	16,910	34,766 11,512	105,355	284,367 73,206	9,696 1,964	24,685 7,189	242,741 55,558
363 364	Household appliances Lighting and wiring devices	140 452	53 159	7,402	36,693 101,828	5,892 15,389	29,822	24,840 66,935	188,464	6,400	18,382	144,183
365	Radio and TV receiving	476	100	19,904	101,020	رادور	2,022	00,555	100,404	0,400	10,502	144,105
- 0.7	equipment	200	60	13,260	76,573	9,728	18,656	47,089	161,422	4,686	_11,490	_114,162
366	Communication equipment	191	117	73,107	532,386	34,980	70,288	226,388	796,616	21,177	r36,818	r397,387
367	Electronic components	281	146	34,252	200,146	23,227	46,164	102,586	305,820	27,712	23,243	178,809
369	Electrical products, n.e.c	126	52	7,267	34,966	5,483	11,025	21,807	69,155	1,916	11,238	84,058
37	Transportation equipment	443	1.87	103,291	796,150	73,584	156,839	513,735	1,397,178	71,694	104,735	959,939
371	Motor vehicles and equipment.	145	63	40,771	311,891	33,081	74,623	243,891	647,021	44,243	35,163	371,202 499,758
372	Aircraft and parts	116 153	68 44	52,774 5,365	427,758 32,347	32,671 4,461	67,071 8,638	226,769 25,872	661,309 48,734	24,764 1,165	57,116 8,203	55,626
39	Instruments and related			2,505	02,041	7,701	0,050	25,012	40,754	2,205	0,205	33,020
31	prod **s	861	269	76,984	554,750	50,259	99,088	300,943	1,272,374	65,922	84,632	979,398
381	Scientific instruments	81	30	5,656	37,324	3,336	6,397	18,402	65,063	1,300	15,687	155,023
382	The chanical measuring devices.	± 18	34	7,278	43,381	5,440	10,494	29,055	78,078	2,332	7,342	62,913
383	Optical instruments and lenses.	57	16	3,049	15,729	2,235	4,433	12,064	23,081	1,422	2,599	20,451
324	Medical instruments and	235	54	7,748	44,014	5,481	10,984	26,022	91,910	3 150	7,233	75,417
385	supplie	108	38	7,740	42,112	6,327	12,827	29,608	63,753	3,159 3,517	8,190	60,417
386	Photographic equipment	159	56	39,331	332,188	23,010	45,166	164,545	879,652	53,097	38,715	560,130
397	Watches, clocks, and			Í		,					· · · · · · · · · · · · · · · · · · ·	
39	Wathmeases	113	41	5,943	37,002	4,430	8,787	21,247	65,837	1,095	4,866	45,047
	including ordnan e3	4,366	1,007	96,843	435,367	79,248	152,696	305,079	819,127	28,764	r _{118,975}	r _{902,947}
301	Jewelry and silverware	1, 48	121	12,740	70,458	9.682	19,503	47,409	132,776	2,154	11,812	100,953
393	Musical instruments and parts	50	13	2,456	11,801	1,975	3,565	8,847	18,249	976	2,081	14,920
394 395	Toys and sporting goods Pens, pencils and office	655	252	25,807	95,157	22,240	42,203	68,575	203,461	11,856	27,223	197,794
277	supplies	211	68	6.598	30,132	5,109	10,009	18,292	58,163	2,164	5,753	42,078
396	Costume jewelry and notions	954	217	18,468	71,289	15,462	29,314	51,135	134,602	3,791	19,999	117,453
398	Miscellaneous manufactures ³	1,369	332	31,124	158,102	25,093	48,653	114,356	271,747	7,998	r _{52,107}	r _{429,749}
190) Administrative and auxiliary4	_	_	133,478	1,256,482	_	~	_	_	_	r _{133,132}	_

⁻ Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand. Revised.

*Includes expenditure. Fir both plant. in operation and for plant, under non-truction but not in operation.

*The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

*Includes data for privately owned and/or operated establishments in Major Group 19, "Ordanance and Accessories." Government owned and operated establishments are excluded.

*In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warshouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

Table 4.—GEMERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 47.07 OF (SAL MARKEAST DUNKES) UTL. 100 ACT

_						196	cumn eaption				19	54
		Establi	shments,	47.2				· · · · ·				
Code	Industry group	num	ber	All emp	Tokees	Pro	dustion wor	kets	Value added by	Capital expend-	All employ-	Value idaed by
		Total	With 20 or more employ-	Number	Payroll	Number	Mair-liviums	Wages	manufac- ture	itures, new	ees, number	manufac- ture
_			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
					(See foot		-SCHENECTADY nd of table	7-TROY SMSA 2 for SMSA	lescription)			
	All industries, total ²	699	257	62,016	395,073	41,114	82,403	229,917	694,723	36,937	72,359	640,902
20 205	Food and kindred products	139 35	51 14	5,383 1,626	32,332 9,365	2,9e8 758	6,395 1,532	16,394 3,694	71,056 18,335	3,489 684	5,910 1,599	61,069 13,925
208	Bakery products	23	11	886	5,694	46 2	881	2,817	18,439	973	1,049	14.
22 225	Textile mill products	29 13	24 11	4,215 1,519	21,157 5,480	3,361 1,397	6,682 2,767	13,659 4,72)	34,958 12,252	665 (Z)	4,201 1,350	27,918 7,106
229	Miscellaneous textile goods	3 62	7 39	835 6,090	3,993	694 5 ,279	1,465 9,333	2,718 17,262	6,246 35,939	(Z) (Z)	738 6,954	4,926 29,667
23 232 233	Apparel and related products Men's and bys' furnishings Women's and misses' outerwear.	13	11 12	3,231 1,064	10,852	2,798 945	4,980 1,586	9,217 3,278	19, %1 1, - ''	(Z) (Z)	4,152	16,571
239	Fabricated textiles, n.e.c	14	5	485	1,808	387	635	1,367	2,946	(z)	554	2,788
24	Lumber and wood products	40	7	574	2,453	484	914	1,712	4,188	(Z)	439	2,481
26 262	Paper mills, except building.	39	26 8 9	5,477 3,193	34,124 21,849 5,976	4,440 2,617 994	9,641 5,860 1,823	26,199 16,922 4,404	58,532 36,077	9,016 6,843 975	5,437 3,313 981	48,351 33,879 6,256
264 265	Paper and paperboard products. Paperboard containers and boxes	16 12	6	1,171 874	3,9 76	709	1,823	3,493	10,543 9,40r	975	511c	5,922
27	Printing and publishing	111	24	4,462	26,932	3,209	6,269	18,906	46,075	1,923	4,611	37,506
271 275	Newspapers	17 72	5 14	1,569 2,375	9,361 13,795	349 2,077	1,604 4,080	5,316 11,626	14,232 22,244	1,247 586	1,619 2,525	11,927 20,117
28	Chemicals and allied products	30	3	3,507	23,265	2,276	4,731	12,441	75,182	2,021	3,196	.2,547
32 327	Stone, clay and glass products Concrete and plaster products.	53 35	14	5,046 443	32,023 2,626	3,4-6 296	7,066 600	20,111 1,540	67,352 6,156	3,526 501	4,158 47	42, 3.1 4,153
329	Nonmetallic mineral products	7	4	4,131	25,652	2,756	5,667	15,545	54,993	2,485	3,404	37,203
33 332	Primary metal industries Iron and steel foundries	11 5	9 5	2,755 1,056	19,702 6,992	2,032 856	4,427 1,774	14,261 5,209	38,217 13,961	1,054 (Z)	3,438 1,434	30,530 13,153
34 344	Fabricated metal products Structural metal products	47 26	1.6 6	1,777 403	9,487 2,436	1,373 309	2,613 615	6,560 1,571	16,309 3,986	501 (Z)	2,060 351	132 2,336
349	Fabricated metal products,	8	6	850	4,658	761	1,247	3,561	2,606	(2)	1, 91	7, 24
39	Miscellaneous manufacturing	23	5	997	4,458	825	1,612	3,332	9,798	(Z)	r ₃₅₅	r _{5,628}
394	Toys and sporting goods Administrative and auxiliary4	5	3	350 5,266	1,486 46,768	334	634	1,284	2,784	(Z)	9,044	1,956
	Auminis dractive and admittary		-	2,200	40,700		BINGHAMTON S		_		9,1.74	l
					(See foot			2 for SMSA	description)			
	All industries, total ²	388	153	41,697	258,701	2€,099	50,676	125,140	339,167	19,721	r _{46,618}	310,640
20 202	Food and kindred products Dairies	60 1 7	16 5	1,312 592	6,416 3,154	756 277	1,498 553	3,424 1,508	12,903 5,705	747 (Z)	2,245 987	17,958 7,157
23	Apparel and related products	21	16	859	2,442	781	1,394	2,033	3,120	(Z)	893	2,938
24	Lumber and wood products	32	6	488	1,774	415	827	1,337	2,727	(Z)	460	1,917
26	Paper and allied products		4	350	1,796	230	614	1,188	3,538	(Z)	1,060	12,126
27 271	Printing and publishing Newspapers	54 14	9 2	1,618 575	8,619 3,115	1,135 248	2,247 448	5,987 1,540	13,480 5,937	583 (Z)	1,476 627	10,599 5,233
28	Chemicals and allied products	6	3	316	1,549	217	437	781	6,198	(2)	243	4,373
33	Primary metal industries	7	5	653	3,483	563	1,151	2,848	4,941	(2)	659	3,828
34	Fabricated metal products	23	10	844	4,517	706	1,362	3,416	7,610	(Z)	1,006	7,851
36 367	Electrical machinery Electronic components	21 9	15 5	9 ,512 355	70,352 1,440	4,124 284	8,289 590	20,862 938	117.699 2,425	2,836 (C)	r _{3,252}	~29,151 1,375
,	Administrative and auxiliary4	-	-	1,092	5,505	-	-	-	-	-	r _{1,751}	-
Se	ee footnotes at end of table.											

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued (See text for explanation of column captions)

	T			(See text	for explana	tion of col	umn caption	s)				
						196	i3				19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
Code	Inda-iy Brods	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ¹ (\$1,000)	ees, number	manufac- ture (\$1,000)
			ees		(\$1,000)				(\$1,000)	(φ1,000)		(41,000)
					(See foo	tnotes at e	BUFFALO :	SMSA 2 for SMSA	description)			
	All industries, total ²	1,775	. 57	162,375	1,102,875	117,622	241,768	732,728	2,067,231	116,399	r _{173,874}	1,715,627
20	Food and kindred products	282	122	14,053	80,083	9,469	19,388	50,570	203,148	9,907	16,449	180,940
201 202	Meat products Dairies	38 56	22 27	1,371 2,227	7,741 12,718	976 978	2,123 2,042	5,156 5,192 3,537	15,208 26,760	629 1,719	1,200 2,896	8,251 25,358
203 204	Canned and frozen foods	24 31	15 17	1,155 4,238	4,531 28,014	959 3,556	1,946 7,167	3,537 21,706	12,311 97,925	1,217 3,820	1,277 5,021	7,200 89,495
202	Beverages	39	10	935	5,500	503	1,008	2,637	14,090	1,072	1,374	15,819
209	Miscellaneous foods and kindred products	28	7	497	2,543	360	750	1,576	5,404	(Z)	540	4,193
22	Textile mill products	17	11	1,320	7,311	1,002	2,054	4,361	14,099	637	1,407	10,123
229	Miscellaneous textile goods	3	4	284	1,442	212	441	912	2,466	(Z)	253	1,626
23 239	Apparel and related products Fabricated textiles, n.e.c	67 40	13 7	2,117 443	9,317	1,886 350	4,874	7,271	13,511	(Z) (Z)	2,657 503	13,509
24	Lumber and wood products	67	1.9	1,024	1,549 4,934	846	1,877	1,029 3,769	2,709 7,970	(Z)	1,015	3,153 5,875
243	Millwork and related products.	27	7	369	2,365	266	533	1,739	3,612	(Z)	387	2,997
240	Miscellaneous wood products	24	8	408	1,672	355	642	1,241	2,915	(Z)	309	1,409
25 251	Furniture and fixtures Household furniture	33 19	11 7	1,587 841	9,025 4,656	1,195	2,415 1,321	6,332 3,326	14,916	(Z)	1,692 1,072	13,099
26	Paper and allied products	59	41	7,072	42,389	5,782	12,130	32,022	81,581	3,860	7,352	73,381
264 265	Paper and paperboard products.	17	11	2,122	11,981	1,658	3,316	8,516	31,711	749	2,376	28,198
200	Paperboard containers and boxes	13	21	2,362	13,120	1,845	3,786	8,666	20,420	969	2,109	14,926
27	Printing and publishing	235	47	7,205	45,192	4,752	8,827	28,421	76,912	3,281	6,390	62,462
271 275	Newspapers	34 138	· 25	2,558 2,590	15,648 16,132	1,177 2,052	1,957 3,911	7,161 11,627	25,854 24,260	(Z) 2,036	1,295 2,819	13,012
279	Printing trades services	23	5	254	1,796	199	377	1,428	2,490	(z)	280	2,748
28	Chemicals and allied products	111	3)	12,644	90,441	8,234	16,733	53,390	211,106	15,625	15,236	219,121
281 282	Basic chemicals		1-3	7,579 3,390	53,534 26,622	5,002 2,388	10,165 4,869	32,651 16,548	114,663 55,769	10,067	8,606 3,466	113,744 52,424
283 285	Drugs Paints and allied products	15 11	3 4	363	2,594 3,702	172 350	352 727	806	13,780	596 (Z)	731	11,364
29	Petroleum and coal products		10	853	6,252	634	1,311	1,770 4,458	11,849 21,349	1,078	617 1,004	11,251
30	Rubber and plastics products,		10	000	0,252	054	2,722	7,700	22,500	1,070	1,004	10,407
	n.e.c	35	21	4,979	29,489	4,046	8,167	21,671	54,190	2,755	5,447	53,864
307 32	Plastics products, n.e.c	27 94	15	2,874 6,753	15,186	2,428 4,977	4,787	11,121	26,131	1,827	2,092	18,582
327	Stone, clay and glass products Concrete and plaster products.	52	16	1,247		987	9,740 2,004	30,808 6,135	86,572 16,201	4,841 996	7,198 1,663	72,715 17,090
329	Nonmetallic mineral products	24	. 13	4,429	31,827	3,078	5,984	20,340	59,920	2,322	3,958	41,822
33 331	Primary metal industries	67 16	44 10	30,450 23,083	213,635	25,131 19,049	48,249 36,349	166,959 129,990	426,629 336,291	27,949 23,066	31,858 24,344	348,481 282,483
332	Iron and steel foundries	15	13	3,024	19,622	2,566	4,988	15,673	35,901	1,342	2,344	16,478
336	Nonferrous foundrics		5	365	2,006	307	633	1,555	3,865	(Z)	633	4,389
34 342	Fabricated metal products Cutlery, hand tools, hardware.	207 15	79 1 0	1,645	60,267 9,346	7,442 1,223	15,421 2,246	41,301 6,163	106,128 18,502	4,2 58 784	8,792 506	79,151
344 346	Structural metal products Metal stampings	92 17	31	2,448 1,155	14,736 6,223	1,773 896	3,732	9,475 4,370	22,891 10,228	738	3,411 815	31,872
347	Metal services, n.e.c	30	ý	465	2,273	356	1,844 718	1,531	3,319	(Z) (Z)	403	4,956 2,357
348	Fabricated wire products,	14	3	680	4,409	493	1,110	2,999	6,693	(z)	512	4,758
349	Fabricated metal products,											1
35	Machinery, except electrical	19 255	75	2,114	12,847 83,396	1,513	3,322	9,076	21,366	1,493	1,114	10,737
354	Metalworking machinery	71	19	2,044	14,779	1,483	16,193 3,082	46,638 9,585	136,778 23,666	5,421 1,497	13,169 2,221	105,240 18,528
355 356	Special industry machinery General industrial machinery	26 41	12 15	1,414 6,180	9,747 42,461	959 3,433	1,965 7,003	5,813 20,281	16,318 56,699	(Z) 2,663	1,894 6,372	15,655
358	Service industry machines	17		1,067	6,666	734	1,526	4,189	20,579	(Z)	607	49,898 4,679
359	Miscellaneous machinery	85	16	1,131	6,356	886	1,832	4,732	11,747	645	895	6,062
36 362	Electrical machinery Electric industrial apparatus.	71 19	29	11,542 6,288	35,546 54,298	7,743 4,972	16,372 10,921	46,985 33,159	135,671 85,917	5,314 3,935	11,576 7,330	124,350 78,209
37	Transportation equipment	41	27	28,655	229,175	22,498	50,612	169,096	427,139	28,416	33,431	297,943
371. 372	Motor vehicles and equipment Aircraft and parts	18 14	13	22,758	182,228	18,902	43,267	146,804	365,973	26,544	18,892	181,980
38	Instruments and related products	25	1	5,558 2,606	45,480 16,436	3,320 1,778	6,857 3,575	21,194 9,559	58,950 28,463	1,813	13,927	112,005 20,023
384	Medical instruments and supplies	13	5	1,079	6,789	666	1,322	3,362	12,094	1,224 (Z)	2,324 540	4,150
39	Miscellaneous manufacturing,											
394	including ordnance3 Toys and sporting goods	77	20	2,774 927	13,342	2,154 769	3,791 1,388	8,613 2,813	20,126 10,374	727 (Z)	2,686 1,222	20,967 8,440
398)											
399 190	Miscellaneous manufactures3	31	7	1,261	6,147	921	1,500	3,670	4,883	(2)	719	6,045
 Si	Administrative and auxiliary4	_	100	4,094	30,247	-	-	-	_	-	^r 3,997	-
0	AND AND AND ON ON OUR OF AGAILS.											

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued

(See text for explanation of column captions)

_		,		(See text	TOL EXPIRIT	110h 01 001	umm caption	S)				
						196	3		ī	1	19	58
Code	Industry group		shments,	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new 1 (\$1,000)	ees, number	manufac- ture (\$1,000)
			000				NEW YORK	SMSA		1		(42)000)
									desuription		0	
	All industries, total ²	37,356	11,270	1,146,676	6,699,488	768,965	1,473,845	1 1	11,393,650	345,653	1,182,501	9,388,523
20	Food and kindrea products Meat products	1,496 176	513 75	73,245	464,079 45,603	46,639 5,667	93,532 11,932	258,521 31,985	1,009,585	39,685 2,573	85,994 8,017	961,284 72,219
202	Dairies	159	68	7,204 7,532	49,820	3,850	7,780	24,085	111,613	5,562	8,722	120,518
203 204	Canned and frozen foods Grain mill products	177 30	51 13	3,161 905	15,551 6,081	2,508 608	5,014 1,287	10,223 3,572	36,409 23,543	1,269	4,253 1,186	33,832 17,999
205	Bakery products	427	134	22,439	139,651	13,224	26,513	73,199	247,824	7,511	26,967	243,116
207 208	Candy and related products Beverages	94 195	41 55	9,339 12,838	43,730 101,125	7,201 6,750	13,749 12,691	27,959 47,826	99,000 256,424	4,533 7,221	10,014	93,170
209	Miscellaneous foods and										14,074	
	kindred products	231	71	6,830	40,041	4,742	10,150	24,511	117,995	5,297	8,525	109,357
21	Tobacco manufactures	26	2	264	751	240	435	656	2,539	(Z)	456	2,884
22	Textile mill products	1,509	562	36,573	170,842	30,885	59,197	126,189	333,692	11,693	36,380	270,558
222 224	Weaving mills, synthetics Narrow fabric mills	49 69	9 13	924 1,015	4,936 5,084	774 901	1,383 1,643	3,578 3,849	8,7ec 11,311	(Z) (Z)	813 1,337	6,545
225	Knitting mills	889	399	24,496	110,491	20,808	39,308	81,754	215,790	6,774	24,256	15,155
226	Textile finishing, except wool	187	46	3,447	18,734	2,975	6,245	15,033	39,633	2,252	3,724	29,432
228	Yarn and thread mills	72	22	2,149	8,803	1,590	3.20r	5,111	15,746	(Z)	1,369	9,861
229	Miscellaneous textile goods	149	50	3,030	14,807	2,482	4,890	10,330	27,741	1,343	3,387	24,249
23	Apparel and related products	12,234	4,130	282,975	1,174,605	237,474	+24,414	854,478	2,250,2+3	27,630	304,878	2,015,493
231	Men's and boys' suits and coats	376	177	21,431	97,279	18,239	31,837	74,429	178,564	1,121	21,935	143,341
232	Men's and boys' furnishings	773	242	16,628	67,631	13,085	23,357	42,749	149,977	1,515	19,454	139,162
233 234	Women's and misses' outerwear Women's and children's	4,716	2,443	128,217	537,154	107,719	188,978	393,459	1,016,019	12,897	132,461	904,865
2)4	underwear	677	302	23,927	91,734	19,772	33,924	59,525	185,477	1,936	29,907	175,004
235	Millinery, hats and caps	716 724	202 351	12,130	49,549	10,522	19,066	39,545	81,953	651	14,958	95,521
236 237	Children's outerwear	1,383	84	21,209 8,301	79,631 51,865	18,020 6,881	31,961 17,057	56,164 42,069	156,363 99,456	1,896 1,064	24,581 8,419	152,086 86,439
238	Miscellaneous apparel	773	313	17,570	67,694	14,643	25,773	48,043	133,513	1,411	19,353	118,871
239	Fabricated textiles, n.e.c	2,096	516	33,562	132,058	28,593	52,461	98,495	248,921	5,139	33,720	200,204
24 243	Lumber and wood products Millwork and related products	555 207	95 38	7,214 2,607	35,354 15,968	6,005 2,093	11,871 4,143	26,570 11,934	62,416 27,191	2,373 816	6,980 2,389	47,330
244	Wooden containers	57	10	904	3,625	797	1,494	2,831	6,891	554	747	4,207
249	Miscellaneous wood products	256	38	3,307	14,341	2,786	5,612	10,675	25,899	737	3,461	21,7-5
25	Furniture and fixtures	1,346	283	20,935	109,327	17,234	35,041	81,403	185,561	4,542	22,099	162,577
251 252	Household furniture Office furniture	776 68	157 23	11,233 2,021	54,005 9,615	9,325 1,721	18,081 3,426	40,636 7,373	89,938 19,444	2,402 (Z)	13,235 1,452	90,568
254	Partitions and fixtures	3:3	82	5,556	34,541	4,638	10,368	26,284	54,580	1,405	5,259	43,960
259	Furniture and fixtures,	175	19	1,993	10,360	1,437	2,932	6,539	20,265	(Z)	1,655	12,089
26	Paper and allied products	712	297	27,280	145,295	22,312	44,962	101,562	250,991	15,005	30,365	251,137
264	Paper and paperboard products	489	157	13,203	68,953	10,578	21,432	47,142	126,938	5,942	14,010	114,496
265	Paperboard containers and	251	135									100 050
0.7	boxes			13,614	73,160	11,343	22,613	51,735	118,804	5,780	15,647	128,257
27 271	Printing and publishing Newspapers	5,366 250	1,060	141,073 22,058	973,641 167,003	72,783 14,131	136,167 20,622	447,003 88,202	2,233,799 267,210	62,605 7,368	145,520 25,912	1,693,454
272	Periodicals	629	132	28,961	225,187	2,172	4,458	15,000	765,129	14,137	29,519	500,775
273	Books Miscellaneous publishing	498 388	145 42	20,842 6,676	133,227 42,466	5,378 1,855	10,705	30,917 10,598	480,234 84,634	11,938	17,873 5,982	301,498
275	Commercial printing	2,600	376	36,727	247,315	28,723	57,021	181,796	392,652	20,458	37,602	343,495
276	Manifold business forms	66	19	1,361	8,182	1,003	1,952	5,466	13,163	802	1,288	11,425
277 278	Greeting card manufacturing Bookbinding and related work.	80 407	26 126	3,876 10,872	18,829 53,584	2,70- 9,533	5.451 18,195	11,798 42,978	36,395 82,310	711 2,605	4,868 11,530	36,993 74,548
279	Printing trades services	447	134	9,701	77,848	7,264	14,052	60,248	112,072	2,599	10,946	109,981
28	Chemicals and allied products	1,003	239	33,223	208,973	21,196	42,659	108,284	793,893	24,214	34,807	643,992
281 282	Basic chemicals	71 52	22 13	2,184	15,386 7,935	1,346 860	2,749	7,612	→0,59r	1,576 920	2,355	26,977
283	Fibers, plastics, rubbers Drugs	165	50	1,248 12,937	85,969	8,327	1,848	4,696 46,233	14,501 384,416	920 14,237	825 14,750	13,810 340,675
284	Cleaning and toilet goods	353	79	10,861	60,063	7,069	23,246	31,160	268,237	5,041	9,804	182,750
235 289	Paints and allied products Miscellaneous chemical	156	35	2,743	18,785	1,588	3,359	8,169	40,381	1,224	3,288	39,703
207	products	188	39	3,151	20,340	1,940	3,927	10,085	44,627	1,169	3,589	38,532
29	Petroleum and coal products	44	14	1,053	8,462	654	1,343	5,177	16,206	1,249	1,182	15,515
30	Rubber and plastics products,											
	n.e.c	639	224	17,888	77,553	14,970	28,701	53,767	150,605	11,701	12,682	91,726
307	Plastics products, n.e.c	570	203	15,017	65,983	12,803	24,886	46,373	128,657	11,247	11,585	83,750
31 311	Leather and leather products Leather tanning and finishing	999 54	376 1	29,989 254	115,643	26,363 188	49,640 356	88,683 1,020	195,290 4,317	2,507	34,010 314	193,514 4,221
314	Footwear, except rubber	172	98	8,069	33,867	7,140	12,790	25,974	57,440	(2) 671	11,275	
316	Luggage	121	49	3,599	12,594	3,202	6,111	10,018	22,174	(Z)	4,359	25,513
317	Purses and small leather goods	493	197	15,836	58,767	13,916	26,458	45,210	96,421	1,289	14,691	79,110
319	Leather goods, n.e.c	69	17	1,282	5,117	1,114	2,351	3,722	8,334	(Z)	1,833	11,107
32	Stone, clay and glass products.	587	132	10,686	65,951	7,999	16,528	42,858	131,285	11,259	11,241	112,707
323 327	Products of purchased glass Concrete and plaster products	177 185	34 54	2,385 4,383	10,874 د 11, د 3	1,938 2,943	3,886 6,579	7,638 20,578	18,853 72,934	872 8,804	2,833 3,996	20,096 54,084
328	Cut stone and stone products.	56	9	600	3,350	471	864	2,529	5,754	(Z)	736	7,032
329	Nonmetallic mineral products.	113	28	2,577	15,459	2,005	3,922	9,584	28,105	1,048	2,518	
Se	ee footnotes at end of table.											

Table 4.—GENERAL STATISTICS FOR STWNDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued (See text for explanation of column captions)

-							umn caption				19	58
		B-+->1/	-1			196	<u> </u>				19	
Code	Industry group	num	shments, ber With 20 or more	All emp			duction wor		Value added by manufac- ture	Capital expend- itures, new1	All employ- ees, number	Value added by manufac- ture
		Total	employ- ees	Number	(\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
							YORK SMSA-					
					(See fo	otnotes at			description			
33 331	Primary metal industries Steel rolling and finishing	303 24	112	14,078 1,469	85,813 11,189	11,209 1,244	22,831 2,552	61,697 8,612	186,820 37,489	8,348 1,125	12,831	117,383 15,729
332	Iron and steel foundries	11	4	399	1,972	356	722	1,641	2,617	(Z) 1,294	651	4,095
334	Secondary nonferrous metals Nonferrous rolling and drawing	45 u5	ε . 37	1,153 6,684	6,970 40,799	5,098	1,787 10,435	4,936 27,750	16,562 80,877	4,811	1,065 5,635	7,414 58,582
336	Nonferrous foundries	110	37	2,770	15,384	2,308	4,716	11,466	25,738	638	2,455	16,921
34 341	Fabricated metal products Metal cans	2,340 20	618	51,880 2,253	288,709 14,933	41,040 1,904	84,409 4,127	200,221 12,025	502,184 28,726	16,551 1,822	52,978 2,794	436,721 24,301
342	Cutlery, hand tools, hardware.	164	57	4,826	24,976	3,662	7,393	15,636	47,530	1,868	5,258	46,511
343	Plumbing and heating, except electric	82	22	1,917	9,902	1,392	2,783	5,829	19,599	(Z)	1,797	16,226
344 345	Structural metal products Ser-w machine projucts	733 145	208 41	17,650 3,995	107,651 24,898	13,371 3,148	27,013 7,347	73,284 16,957	177,044 44,614	4,642 1,732	17,455 3,734	155,564 31,673
346	Metal stampings	261	85	7,453	40,594	6,111	12,458	28,705	70,252	2,289	7,652	59,032
347 348	Metal services, n.e.c Fabricated wire products,	505	€5	6,069	27,886	5,203	10,526	21,102	45,987	1,786	6,259	40,584
349	n.e.c	178	4c	3,550	16,692	2,874	5,829	11,683	29,877	923	3,788	26,427
	n.e.c.	252	€2	4,161	21,177	3,375	6,933	15,000	38,555	1,083	4,241	36,403
35 354	Machinery, except electrical	1,810 473	324	36,742 4,736	237,947	27,268 3,800	56,727 7,945	159,349	430,512 49,344	12,983 2,581	32,421 4,695	286,860 38,908
355	Metalworking machinery Special industry machinery	264	62 5(9,432	29,543 65,567	7,059	14,509	22,035 45,878	122,681	1,609	11,124	95,017
356 357	General industrial machinery	198 47	42 19	4,202	26,747	2,946 2,991	6,117	16,293	52,510 53,893	2,070	3,062	29,238 16,256
358	Office machines, n.e.c Service industry machines	140	39	4,389 3,319	27,556 20,105	2,457	6,369 5,010	14,712	46,522	1,656 957	2,020 3,118	36,244
359	Miscellaneous machinery	621	84	6,250	37,495	5,152	10,885	28,427	61,610	3,165	6,951	55,481
36 361	Electrical machinery Electric distribution products	1,385	558 56	93,605 6,099	575,399 36,395	61,809 4,286	122,004 8,223	314,768 20,870	940,480 56,355	31,055 1,641	62,944	500,399 54,152
362	Electric industrial apparatus.	102	34	4,167	22,591	3,085	5,998	14,049	41,296	1,427	4,604	35,107
363 364	Household appliances Lighting and wiring devices	118 407	41 141	5,086 14,758	25,081 72,342	4,249	8,542 22,474	17,933 48,554	46,481	1,335 4,660	4,147 13,657	32,038 105,096
365	Radio and TV receiving	179	49									99,937
366	equipment Communication equipment	149	86	5,017 39,356	28,274 292,892	3,730 20,973	6,911 42,316	16,171 140,782	58,580 431,383	2,657 13,487	11,701 12,623	100,663
367	Electronic components	216	103	13,878	73,153	9,857	19,764	41,546	119,713	4,477	4,849	37,820
37 372	Transportation equipment Aircraft and parts	298 87	118 50	54,900 43,011	436,090 354,893	36,537 26,821	76,106 55,299	255,997 192,249	735,983 548,479	31,630 21,660	49,911 36,119	489,778 335,125
38 382 384	Instruments and related products Mechanical measuring devices Medical instruments and	711 84	205 24	27,307 3,873	164,670 24,931	19,208 2,790	37,773 5,515	94,450 15,788	296,999 42,449	7,380 1,040	32,993 3,914	302,360 33,861
385	supplies Opnthalmic goods	192 94	40 32	4,410 2,600	23,250	3,234 2,210	6,387 4,377	14,430 7,509	56,059 17,316	1,586 5,474	4,749 2,389	49,140 14,710
386 387	Photographic equipment	116	30	4,175	27,596	2,728	5,350	14,390	43,285	1,409	4,434	52,440
201	Watches, clocks, and watcheases	113	41	5,943	37.002	4,430	8,787	21,247	65,837	1,095	4,865	45,047
39	Miscellaneous manufacturing, including ordnance3	3,993	908	81,500	361,794	67,160	129,505	253,883	684,567	23,228	103,889	791,787
391	Jewelry and silverware	1,054	113	10,388	57,335	7,797	15,618	37,271	108,918	1,483	9,438	83,138
393 394	Musical instruments and parts. Toys and sporting goods	41 567	218	1,757 22,008	8,145 80,048	1,382 19,019	2,372 36,273	5,864 57,959	13,046 175,628	843	1,358 23,834	10,329 175,177
395	Pens, pencils and office supplies	186	62	5,951	26,832	4,643	9,106	16,329	47,908	1,766	5,147	34,866
396	Costume jewelry and notions	337	209	17,240	65,609	14,620	27,778	47,911	124,469	3,554	18,839	110,560
398	Miscellaneous manufactures3	1,209	294	24,506	125,397	20,012	38,909	89,915	216,972	4,838	48,273	377,717
190	Administrative and auxiliary4	-	-	104,266	998,600	-	_	-	-	_	r _{107,940}	-
			1		-	NEW YORK-	NORTHEASTER	NEW JERSEY	SMSA	1,		
					(See fo	otnotes at	end of table	2 for SMSA	description)		
	All industries, total ²	49,016	15,458	1,778,037	10,607,640	1,200,484	2,345,615	5,811,892	19,123,842	724,067	1,795,479	15,267,750
20	Food and kindred products	2,204	788	116,793	740,075	75,837	153,000	428,351	1,808,797	85,399	129,503	1,575,058
201	Meat products	250 280	110	11,332 11,926	72,395 78,424	8,888 6,098	18,842 12,401	51,052 37,135	148,807 169,771	3,875 8,993	12,406 13,904	118,511
203	Canned and frozen foods Grain mill products	230 57	73 20	5,147 1,633	26,519 11,278	4,100 1,037	8,290	18,014 5,743	72,811	2,612	5,817	54,357
205	Bakery products	595	198	33,959	205,237	20,904	2,236 42,495	113,736	35,582 378,392	1,305 20,114	1,533 37,153	23,071 338,316
207 208	Candy and related products Beverages	137 300	58 90	12,171 21,638	57,192 165,551	9,570	18,407 22,936	37,633 87,110	129,896	6,143 15,872	12,563	114,782 387,388
209	Miscellaneous foods and					12,206			440,176		24,774	
0.3	kindred products	346	116	15,989	100,993	10,944	22,975	62,758	379,553	21,260	17,717	316,919
21 212	Tobacco manufactures	29 21	4 3	640 409	2,500 1,263	529 374	997 681	1,789 1,106	11,444 3,904	(Z) (Z)	1,156	12,093 5,781
	see footnotes at end of table.									(2)		

Table --- General Statistics for Standare Metropolitan statistical areas with -- , co or more vanuracturing enticytld: 1963 Aut 1967 -- 1873

(See text for explanation of column paptions)

_		T		(occ text	TOP explana							
		Establishments, All employees Production workers									19	758
Code	Industry group		ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures, new1	ees, number	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
								JERSEY SMSA- e 2 for SMSA	-Continued description)		
22	Textile mill products	2,039	797	57,298	285,298	48,579	95,955	213,929	535,109	20,585	63,393	463,702
221 222 223	Weaving mills, cotton Weaving mills, synthetics Weaving, finishings mills,	41 37	11 29	716 2,157	3,130 11,683	1,833	1,309 3,504	2,742 9,054	7,419 22,326	(Z) (Z)	1,004	9,477 20,215
224	Wool	70 122	21 26	1,847 2,184	9,503 11,006	1,628 1,865	3,178 3,402	7,628 8,096	16,962 20,825	1,067 (Z)	2,946 2,433	20,163 17,143
225 226	Knitting mills Textile finishing, except	1,044	479	29,399	132,633	25,207	47,992	99,409	250,850	8,942	29,693	206,322
227	wool	313 14	118	10,727 466	64,895 2,447	9,259 410	20,136 844	51,834 1,836	117,381 5,063	5,400 (Z)	13,287 567	100,139
228 229	Yarn and thread mills Miscellaneous textile goods	100 248	31 80	2,758 7,044	11,749 38,252	2,131 5,597	4,306 11,284	7,459 25,871	20,600 73,682	(Z) 3,523	2,893 8,302	19,824
23	Apparel and related products	14,308	5,4-3	340,422	1.382,968	288,294	516,911	1,026,117	2,623,809	34,451	361,638	2,316,898
231	Men's and boys' suits and coats	419	206	24,267	108,495	20,855	36,723	84,327	194,631	1,221	24,935	156,994
232 233 234	Men's and boys' furnishings Women's and misses' outerwear Women's and children's	5,276	292 2,849	21,111 152,237	83,077 614,177	17,133 128,838	30,639 225,217	55,311 460,709	190,549 1,135,297	1,737 15,149	24,185 153,652	169,279 993,209
235	mderwear	757 750	345 216	29,970 12,994	115,009 52,792	24,560 11,310	42,255 20,362	74,896 42,364	238,487 86,733	2,399 692	37,207 15,826	222,331 100,34
236 237	Children's outerwear	853 1,387	430 84	26,384 8,332	76,459 51,992	22,711 6,905	40,254 17,121	70,185 42,170	188,734 99,539	2,245 1,072	31,029 8,452	183,135 86,709
238 239	Miscellaneous apparel Fabricated textiles, n.e.c	860 3,159	362 649	20,762 45,326	78,078 181,928	17,549 39,023	30,987 73,356	56,614 139,541	149,647 340,092	1,576 8,360	22,469 43,883	134,623 270,278
24	Lumber and wood products	758	143	10,595	51,240	8,763	17,287	3*,323	91,312	3,484	10,450	80,048
242	Sawmills and planing mills Millwork and related products	51 307	14 57	814 3,953	3,160 22,978	662 3,159	1,266 6,252	2,451 17,024	5,587 40,115	(Z) 1,224	687 3,673	4,062 30,441
244 249	Wooden containers	85 309	15 b	1,283	5,562 19,331	1,113 3,731	2,150 7,435	4,271 14,397	10,057 35,152	612 1,096	1,354 4,718	7,482
25	Furniture and fixtures	1,659	369	28,622	147,090	23,387	47,369	108,378	252,018	6,445	29,960	220,738
251 252	Household furniture Office furniture	977	219 26	17,277 2,382	81,665 11,578	14,306 1,978	27,795 3,969	60,8 3 6 8, 5 60	141,634 21,849	3,594 707	2,351	130,293 18,833
254 259	Paritions and fixtures Furniture and fixtures,	372	97	6,440	39,643	5,364	11,840	30,051	62,168	1,626	5,985	49,452
00	n.e.c.	214	26	2,663	14,243	1,955	3,993	9,023	26,587	600	2,244	17,122
26 262	Paper mills, except building.	1,035	485 6	52,633 1,648	300,375 11,599	41,475 1,312	93,100 2,783	203,798 8,422	545,637 29,117	33,802 2,949	53,309 1,818	475,808 23,634
263	Paper board mills Paper and paperboard products	31 575	21 215	2,648 22,372	18,797 123,917	2,198 16,857	5,639 41,805	14,778 79,015	37,338 239,382	6,900 12,414	2,801 21,095	41,095 187,190
265	Paperboard containers and boxes	404	238	25,563	143,592	20,779	42,168	99,624	234,794	11,431	26,905	218,383
266	Building paper and board mills	3	4	357	2,166	293	63°	1,769	4,141	(Z)	617	4,946
27 271	Printing and publishing Newspapers	6,373 370	1,247	167,872 27,847	1,136,185 202,308	89,240 16,870	167,963 26,052	545,278 107,960	2,528,882 334,915	73,961 8,667	171,269 31,596	1,935,390 292,714
272 273	Periodicals	692 556	140 162	29,548	229,761	2,235	4,568	15,290	780,242	14,220	29,978	508,057
274	Books Miscellaneous publishing	422	49	25,706 7,292	160,527 45,689	6,760 2,031	13,168 4,044	37,792 11,474	546,345 91,090	13,959 2,153	21,675 6,495	345,738
275 276	Commercial printing Manifold business forms	3,180 83	456 29	47,042 2,433	312,965 15,036	37,136 1,704	73,433	233,190 9,457	491,767 21,885	26,614 1,252	48,877 2,139	17. 0
277 278	Greeting card manufacturing Bookbinding and related work.	87 464	29 147	4,063 13,383	19,985 66,033	2,845 11,726	5,711 22,484	12,373 53,072	38,381 103,776	744 3,467	5,024 13,545	38,326
279	Printing trades services	519	149	10,558	83,881	7,993	15,210	64,670	120,481	2,885	11,940	118,534
28 281	Chemicals and allied products Basic chemicals	1,878 259	599 116	100,253	676,038 144,77 0	61,588 13,265	125,370 27,272	352,973 87,849	2,488,532 424,032	117,581 43,024	99,182 19,751	1,844,563 314,921
282 283	Fibers, plastics, rubbers	121 271	40 97	6,801 28,310	48,933 199,40 :	4,204 16,202	8,817 33,238	24,993 91,801	139,158	9,047 38,757	7,109 28,690	88,621 633,386
284 285	Drugs Cleaning and toilet goods Paints and allied products	554 310	145 103	25,953 9,126	154,120 62,632	16,153 5,282	32,134 10,704	82,252 29,605	755,229 168,119	14,945	23,745	543,337 133,953
287 289	Agricultural chemicals Miscellaneous chemical	24	13	1,057	5,733	750	1,541	3,888	15,400	1,704	1,485	14,979
	products	332	85	9,072	60,340	5,711	11,622	32,499	141,793	5,387	8,439	114,782
29 291	Petroleum and coal products Petroleum refining	113 16	46 9	6,940 4,003	55,124 34,453	4,763 2,714	9,502 5,124	35,151 21,658	199,487 134,067	9,858 6,577	8,485 5,605	2 ,7% 2 46,539
295 299	Paving and roofing materials. Petroleum and coal products,	60 37	26	2,233	15,806	1,631	3,524	10,992	38,472	2,903	2,198	29,579
30	n.e.c	1,021	400	704 37,579	4,865 183,653	419 30,555	60,393	2,501	26,948 355,568	(Z) 29,920	28,004	12,644
306 . 307	Rubber products, n.e.c Plastics products, n.e.c	134 876	56 341	9,262 27,538	50,013 130,246	6,808 23,078	13,150 45,996	33,037 90,800	91,832 257,099	3,434 26,205	,°13 18,932	74,990 145,506
31 311	Leather and leather products	1,166 101	467	39,853 1,918	155,082 11,209	35,219	66,036	120,346 8,583	258,813 21,367	3,515	44,033 2,410	248,574
313	Leather tanning and finishing Footwear cut stock	58	23	735	2,946	1,662	3,453 1,246	2,205	5,359	520 (I)	1.366	7,934
314 316	Footwear, except rubber	189 144	111 63	9,969 4,936	41,994 17,263	8,906 4,369	15,764 8, 1 26	32,117 13,685	68,659 29,263	873 (Z)	12,794 5,717	72,690 31.315
317	Purses and small leather	556	234	20,648	76,184	18,240	34,514	59,092	123,732	1,560	19,560	101,774
319 Se	Leather goods, n.e.cee footnotes at end of table.	98	18	1,331	5,283	1,153	2,443	3,851	8,711	(Z)	1,952	11,710

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued

(See text for explanation of column captions)

		1963									1958		
Code	Industry group	Establi num		All emp	loyees	Pro	duction wor	kers	Value added by manufac-	Capital expend- itures,	All. employ- ees,	Value added by manufac-	
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	ture (\$1,000)	new ¹ (\$1,000)	number	ture (\$1,000)	
			I		NEW Y		STERN NEW J	ERSEY SMSA — 2 for SMSA	Continued description)				
32	Stone, clay and glads or duct	906	262	24,971	153,091	19,035	39,517	104,981	307,815	26,543	24,450	246,478	
322	Pressed and blown glassware	27	6	1,631	9,073	1,478	3,098	7,593	18,771	7,287	719	8,939	
323 326	Products of purchased glass Pottery and related products.	228 52	48 11	3,908 1,093	17,752 5,770	3,241 398	6,398 1,712	12,699 4,538	31,928 10,359	1,165 (Z)	3,850 1,799	28,077 12,071	
327	Concrete and planter products	309	106	7,813	55,416	5,294	11,949	34,866	124,980	12,881	7,418	92,270	
328	Cut stone and tions products.	67	11	692	3,844	544	1,001	2,903	6,395	(2)	840	8,202	
329	Nonmetallic mineral products.	202	67	8,877	56,143	6,770	13,670	38,344	107,193	4,551	8,991	89,770	
33	Primary metal industries	6.13	267	41,856	265,303	32,513	66,644	189,026	523,954	29,565	40,821	402,580	
331	Steel rolling and finishing Iron and steel foundries	: ජ් 34	27 19	4,442 2,296	30,194 12,733	3,375 1,988	6,744 4,026	21,092	71,683 18,813	3,291 (Z)	4,504	47,874	
333	Primary nonferrous metal	11	9	5,000	34,175	4,131	8,667	10,306 26,122	46,786	5,267	3,366 5,205	51,117	
334 335	Secondary nonferrous metals Nonferrous rolling and	30	23	2,687	16,350	1,961	3,946	10,342	74,323	2,805	2,274	17,975	
336 339	drawing	131	85 69	18,903 6,375	122,298	14,174 5,288	29,283 10.828	84,464	228,853 58,352	15,178 1,827	18,209 5,601	207,896	
	n.e.c.	100	35	2,153	12,650	1,596	3,150	8,137	25,144	366	1,662	15,390	
34 341	Fibricat dimetal priducto	3,581 35	1,023 22	95,848 7,201	556,073	75,015	154,732	384,818	988,963	37,398	93,657	815,746	
341 342 343	Cutlery, hand tools, hardware Plumbing and Leating, except	252	90	8,400	50,363 43,954	6,211 6,510	13,413 13,357	41,379 29,152	101,128 83,096	6,663 2,686	7,896 8,933	81,987 75,816	
211	electric	132	41	4,024	22,142	2,808	5,552	12,774	4,424	1,520	3,684	32,620	
344	Structural metal products	1,143 270	329 83	27,616 8,576	168,245 54,813	20,881	42,457 15,164	114,241 37,561	281,790 102,124	7,388 4,973	27,145 7,611	254,188 66,165	
34C	Metal stampings	392	131	11,657	65,195	9,617	19,372	46,022	108,652	3,600	11,641	91,963	
347 348	Metal services, n.e.c Fairinated wire or duct.	711 249	125	2,378	42,646	7,508	15,252	32,030	69,850	3,141	8,781	57,561	
340	n.e.c	245	0.7	5,969	29,890	4,870	9,695	21,320	53,067	1,568	5,814	43,497	
	n.e.c	397	133	13,527	73,825	10,042	20,470	50,340	142,832	5,859	12,152	111,949	
35 353	Machinery, except electrical Construction and like	3,278	653	80,578	555,581	59,353	122,046	351,654	979,542	31,417	78,226	709,573	
25/	epri ment	114 881	41 144	9,393	77,405	5,884 9,290	12,306 19,851	40 ,1 25 56,401	160,878 122,122	2,320 6,349	7,676 12,152	112,809	
355	Special industry machinery	494	138	19,067	132,190	13,644	28,470	86,459	232,003	5,484	19,954	178,673	
350	General incustrial machinery.	386	98	15,367	105,210	11,138	23,267	70,179	186,155	7,497	14,256	125,223	
35% 358	Office machines, n.e.c Service industry machines	74 229	32 71	7,087 6,993	43,992	4,584 4,859	9,513 9,765	22,948 25,886	85,533 85,089	2,131 1,922	5,026 7,225	38,638 62,750	
359	Miscelianets machiner	1,085	126	10,564	63,496	8,662	18,311	48,489	103,079	5,615	11,769	90,857	
36	Electrical machinery	2,093	875		1,097,830	123,013	241,682	632,513	1,756,925	65,203	149,113	1,156,273	
361	Electric listribution	20.1	0.4	71.605	10.110	70 500	00 001						
362	Fr ducto	204	94 62	14,637 8,092	33,840 44,789	10,533 5,656	20,334 11,335	53,641 26,574	151,241 78,299	4,872 2,876	17,888	144,822	
363	Household appliances	146	49	9,628	43,980	7,639	15,363	38,781	94,647	2,612	9,995	66,840	
364 365	Lighting and wiring devices	549	202	26,787	139,816	20,951	40,847	93,200	272,015	8,815	24,465	196,326	
300	Pari and TV receiving equipment	226	72	11,637	61,206	8,934	16,852	38,342	127,230	4,141	11,307	85,298	
366	Communicati n equipment	229	127	64,053	467,692	37,077	73,775	238,969	647,344	26,018	33,144	274,745	
367 369	Electronic components	420 156	20.1	35,260	196,009	25,469	49,741	113,275	295,719	13,641	34,404	253,055	
	Electrical products, n.e.c		68	8,708	44,499	6,754	13,435	29,731	90,430	2,228	7,958	63,881	
37 371	Transportation equipment Motor vehicles and equipment.	440 141	180 51	87,361	150,041	58,409 1 5,395	122,649 35,626	402,576	1,297,995 502,587	54,798	89,765	965,531 317,713	
372	"ir ral" mer a to	123	72	59,240	461.192	35,616	73,110	113,667 245,525	710,919	24,852 28,525	20,339 57,948	562,925	
373	Shir and beat thilling	151	51	7,638	48,919	6,361	11,948	38,850	73,210	1,097	10,387	75,285	
38	Instruments and related												
381	rr ducts Scientific instruments	934	28t 46	58,051 21,865	393,135	37,534 12,682	74,706 25,410	210,045	681,431	26,089	58,548	540,955	
382	Mechanical measuring devices.	129	43	6,378	39,532	4,498	8,834	84,844 25,048	251,932 67,344	6,899 1,618	25,804 5,809	216,963 50,778	
383	Optical instruments and lenses	54	13	1,071	6,727	307	1,586	4,402	12,023	516	643	4,738	
394	Medical instruments and supplies	248	 	11,372	77,688	6.839	13,847	3 5,070	149,654	7,773	70 564	110 050	
385	Ophthalmic goods	121	39	3,570	15,089	3,034	6,021	10,873	26,456	8,951	10,568	118,050 22,359	
386	Photographic equipment	154	-43	7,454	50,824	5,011	9,725	27,594	101,665	6,633	7,327	80,299	
387	Watches, clocks, and watchcase	123	45	6,341	39,086	4,663	9,283	22,214	72,357	1,755	5,197	47,768	
39	Miscellaneous manufacturing,								,,,,,,	,,,,,	,,_,,	1,130	
	including ordnance?		1,134	106,635	477,317	87 , 692	169,754	335,578	887,909	33,579	125,442	945,641	
391	Jewelry and silverware	1,169	153	14,094	77,400	10,581	21,331	50,344	139,204	1,995	13,367	111,820	
393 394	Musical instruments and parts Toys and sporting goods	58 . 659	19 263	2,15° 30,405	9,358	1,706 26,339	3,011 50,551	7,154 84,384	15,370 241,566	915 16,592	1,568	13,762 212,221	
395	Pens, pencils and office							0-49.204	241,000	10, 772	23,200	المم و مدا	
201	supplies	243	84	8,654	39,743	6,579	13,098	24,564	69,074	2,509	7,590	52,252	
396 398	Costume jewelry and notions	1,003	233	19,889	77,075	16,878	32,201	56,292	143,821	4,549	21,571	128,919	
399	Miscellaneous manufactures3	1,467	378	31,789	160,333	25,922	50,114	114,206	280,748	7,194	52,066	426,667	
				1	1,346,127		_						

(See text for explanation of column captions)

-		1963									1958	
Code	Industry group	Establi num	shments,	All emp	Loyees	Pro	oduction work	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ-	Number	Payroll	Numcer	Man-hours	Wages	manufac- ture	itures,	ees, number	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
					(See fo	otnotes at	ROCHESTER Industriable		a . right :			
	All industries, total2	1,188	406	121,359	837,147	80,753	160,875	470,895	1,758,130	86,796	116,717	
20 201	Food and kindred products	22C 17	90	12,618	59,298	9,678 927	20,222 2,058	40,756	171,515	1, 16	12,945	11.076
202	Dairies	60	17	1,238	7,913 6,856	580	1,156	5,332 2,726	14,293 14,714	****	1,439	11,275
203	Carmed and Process floors Bakery products	52 32	34 11	6,921 699	27,841 3,537	6,207 423	12,902 873	23,444 2,103	99,674	4,396	780	
208	Beverages. Miscellaneous foods and	27	9	1,337	8,772	678	1,458	3,973	25,472	1,434	1,€19	1 1 1 1
239	kindred projucts	21	2	497	2,163	374	~4°	- (** *	٠, ٠ ٥	(Z)		.1.1
23	Apparel and related prod :	34	16	8,123	35,110	7, +2	12,565	27,643	57,053	(Z)	1.20	47,495
231	Men's and boys' suits and	10	6	6,374	27,408	5,783	10,297	23,230	42,435	(Z)	6,967	1.2.21
24	Lumber and wood products	41	8	448	2,075	357	682	1,428	3,466	(Z)	414	2,777
25	Furniture and fixtures	30	10	1,106	6,518	-17	1,586	-, 4	10,567	559	1,259	
251	Household furniture	12	4	284	1,765	66.7	489	1,097	2,599	(Z)		3,945
26 265	Paper and allied products Paperboard containers and	40	18	2,477	14,958	1,585	3,252	· · · · · ·	22,127	2,051	3,312	200
	boxes	17	11	1,039	5,244	215	1,703	3,738	8,050	966		-
27 275	Printing and publishing Commercial printing	190 108	3r 18	5,263 2,246	34,633 16,202	3,277 1,662	6,271 3,287	20,382	62,004	2,157 1,266	5,294 2,517	22, 27
28	Chemicals and allied products	49	14	1,762	11,438	856	1,704	3,946	41,538	3,429	1,204	23"
30	Rubber and plastics products,		-	2,702	22,450		2,101	3,540	41,550	2,-2	1,20	
	n.e.c	23	9	2,153	11,406	1,668	3,151	1, 10	12.04	+13	(D)	
31	Leather and leather products	12	3	438	1,716	29.0	643	1,179	2,373	(Z)		(D)
32 327	Stone, clay and glass products. Concrete and plaster products	57 39	15 10	1,371 524	8,312 3,472	1,061 336	2,216	1,992	19,187	1 2	976 454	1,22,
34	Fabricated metal products	116	45	4,555	27,26	3,473	7,1.	18,234	46,439	1,2,4	5,029	41. 27
342 344	Cutlery, hand tools, hardware	10 38	7	948 1,515	5,123 9,469	651 1,095	1,221	2,925	8,218 13,114	(Z) (Z)	1,162	1 . 0
345	Structural metal products Screw machine products	27	11	749	4,390	620	2,294 1,456	3,032	6,943	(Z)	2,172	3,603
35	Machinery, except electrical	180	51	10,272	70,351	7,168	14,951	44,876	131,065	773		80,245
354 355	Metalworking machinery Special industry machinery	76 22	21	4,549 1,526	34,608 10,778	3,403 839	7,224	24,1°4 5,093	53,940 19,717	2,754	3,803 1,414	29,445
356 359	General industrial machinery.	23 37	6	888 252	6,097	479	962 429	2,688	8,505	(2)	921	3,873
36	Missellaneous machinery Electrical machinery	42	2 25	15,997	1,373	11,943	23,866	74,398	2,21 1,8,531	(Z) 5,974		114,321
367	Electroni components	10	7	1,066	5,274	866	1,715	3,539	13,316	553	924	9,151
38	Instruments and related produsts	57	29	41,591	343,137	25,281	49,725	177,658	880,004	53,690	39,560	544,438
39	Miscellaneous manufacturing, including ordnard.	54	18	2,712	13,862	1,950	3,810	8,918	21,4	985	3,412	24,410
398 399	discellaneous manufactures	32	9	744	3,738	593	1,201	2,783	7,769	505	1,667	10,153
190	P						,,,,,,,					
	Administrative and auxiliary	_	_	5,118	52,605	_		-		_	3,405	_
					See fo	otnotes at	SYRACUSE end of thel-		dus: ""ptics			
	All industries, totalt	753	272	65,719	411,364	40,±m3	81,967	225,915	777,072	38,153	r69,514	679,910
20	Food and Mindres products Meat products	116	+°	5,409	30,234 1,589	3,519	7,222	18,578	96,966	3,210	5,718	2.096
202	Dairies	37	16	1,143	6,396	487	1,104	2,789	17,352	560	1.4	11,433
2 15	Bakery products	24	9	1,234	7,012	758	1,554	4,142	12.73:	112	1,352	12,036
	kindred products	13	5	548	3,147	387	774	1,741	14,013	740	430	3,558
22	Textile mill products	3	3	640	3,155	541	1,043	2,408	₩,13°	645	770	4,033
23	Apparel and related products	_~	3	848	2,675	774	1,158	2,209	3,522		924	3,111
24	Immber and wood products	49	10		2.41	467	920	1,796	3,770	(Z)	715	3,024
25 251	Furniture and fixtures Household furniture	30 16	2	336 254	1,468	203	527	744	2,066 1,399	(Z) (Z)	715	2,434
26 265	Paper and allied products Paperhoams concalness and	27	21	4,216	24,-07	2,122	6,304	15,810	35,281		٤.	33,58€
	boxes	1.5	11	2,970	16,962	2,224	4,215	10,452	23,071	1,283	2,4 +	21,737
2" 2"1	Printing and publishing	108 23	27 6	2.5× 775	14,668	467	3,116	8,983 2,537	34,993 11,270	1,243	2,300	23.249
275	Commercial printing	52	=		2,922	210	162	2,139	4,719	553	477	3,905
28	Chemicals and allies products	32	ē	3,903	28,094	2,494	5,853	17,034	86,672	4,014	3,720	
327 327	Stone, play and glass products. Concrete and plaster products	34 22	15 3	2,308 469	11,534 2,437	-, :~- 340	3,620	8,373 1,612	20,761	1,061 698	2,348	3,620

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1958 AND 1963—Continued (See text for explanation of column captions)

-		1963										58
		Establi num	shments,	All emp	loyees		oduction wor	kers	Value added by	Capital,	All employ-	Value added by
Code	Industry group	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ¹ (\$1,000)	ees, number	manufac- ture (\$1,000)
			ees		(\$1,000)	CAL	RACUSE SMSA-		(\$1,000)	(φ1,000)		(41,000)
					(See foot			2 for SMSA	description)			
33 332 336	Primary metal industries Iron and steel foundries Nonferrous foundries	35 8 12	22 6 9	4,650 635 1,148	30,447 3,264 6,760	3,790 551 929	7,780 1,078 1,885	23,721 2,778 5,091	52,927 4,514 9,800	4,706 (Z) (Z)	4,258 784 1,062	31,765 4,331 6,709
34 344	Fabricated metal products Structural metal products	88 34	32 15	2,876 1,295	17,199 7,924	2,124 949	4,239 1,868	11,438 5,201	29,963 11,786	915 (Z)	3,095 1,621	25,981 12,518
35 354 356	Machinery, except electrical Metalworking machinery Ceneral industrial machinery	120 39 23	36 11 11	9,269 1,188 1,506	62,939 7,696 9,176	5,869 838 1,147	12,093 1,740 2,440	37,079 5,137 6,362	120,561 14,609 15,254	6,517 (Z) 2,101	13,076 1,698 1,097	126,058 12,907 9,342
36	Electrical machinery	22	15	19,749	126,287	8,739	17,049	47,083	212,352	4,937	17,640	230,294
37	Transportation equipment	10	5	3,584	26,979	2,829	6,316	20,436	45,900	6,609	3,474	24,761
39	Miscellaneous manufacturing, including ordnance3	23	8	1,337	6,693	939	1,934	4,068	12,488	(Z)	1,350	11,157
398 399 190	Miscellaneous manufactures ³ .	17	6.	1,255	6,363	872	1,809	3,819	12,033	(Z)	1,282	10,827
	Administrative and auxiliary4.		-	1,688	13,624	-	-	_	-	-	r _{2,867}	-
					(See foot	notes at en	UTICA-ROME id of table	SMSA 2 for SMSA d	lescription)			
	All industries, total2	462	166	37,934	214,331	26,813	53,857	130,668	446,192	15,605	°40,562	344,834
20 201 202 208	Food and kindred products Meat products. Dairies. Beverages.	97 13 45 11	27 5 10 5	1,995 322 677 362	9,802 1,867 3,280 1,946	1,321 242 347 273	2,768 498 732 636	6,043 1,153 1,579 1,429	31,746 4,420 7,745 8,978	1,668 (Z) 640 610	2,389 449 768 485	26,692 5,845 5,636 6,755
22 225	Textile mill products	13	8 5	1,152 699	4,865 2,424	1,007 604	2,064 1,203	3,675 1,809	7,759 3,653	(Z) (Z)	1,708 909	10,612 4,713
23	Apparel and related products	22	16	1,861	5,930	1,707	2,900	4,992	7,850	(Z)	1,762	5,814
24	Lumber and wood products	31	5	482	1,980	419	865	1,580	3,261	(2)	589	3,498
25	Furniture and fixtures	18	7	965	4,495	781	1,611	3,381	7,500	(Z)	1,038	9,527
26	Paper and allied products	17	13	1,303	7,438	1,085	2,377	5,916	13,858	1,666	1,032	12,572
27 271 275	Printing and publishing Newspapers Commercial printing	52 11 29	11 4 7	912 591 274	4,945 3,292 1,348	573 318 226	1,023 523 445	2,824 1,629 1,004	8,866 6,113 2,293	(Z) (Z) (Z)	848 522 200	7,144 5,032 1,268
28	Chemicals and allied products.	12	3	860	4,275	719	1,427	3,272	7,962	(Z)	745	6,686
33	Primary metal industries	16	14	4,546	28,881	3,339	6,742	19,035	53,163	2,800	6,282	51,768
34	Fabricated metal products	34	15	2,453	13,723	1,939	3,790	9,916	20,083	(Z)	3,249	24,656
35	Machinery, except electrical	46	12	6,288	38,689	4,199	8,978	23,471	120,317	3,507	5,464	44,212
37	Transportation equipment	8	4	2,095	12,205	1,481	2,733	7,882	32,647	726	2,734	23,152
39 394	Miscellaneous manufacturing, including ordnance ³ Toys and sporting goods	29 13	7 6	3,482 514	19,543 2,254	2,761 344	5,536 675	14,704 1,325	38,210 4,304	1,505 (Z)	3,728 670	31,491 4,942
	Administrative and auxiliary4.	-	-	268	2,509	44	-	-	-	-	^r 311	-

⁻ Represents zero. (D) Withheld to avoid disclosing figures for individual companies. n.e.c. Not elsewhere classified. (Z) Less than \$500

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

POSTAGE AND FEES PAID U.S. DEPARTMENT OF COMMERCE

⁻ Represents zero. (D) Withheld to avoid disclosing figures for individual companies. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

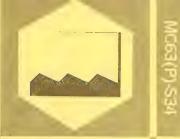
The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.) A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.







Area series

NORTH CAROLINA

preliminary report

Value added by manufacturing in 1963 in the State of North Carolina amounted to \$4,618 million, an increase of 9 percent from 1962 and 50 percent from 1958. Of this total, \$1,427 million was contributed by the Textile Mill Industry, the leading industry group in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

							,				
	Establishments, number		All employees1		Pr	oduction worke	rs	Value	Capital	Index of change (1958 = 100)	
Year	Total With 20 or more employ-ees		Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	7,760 (NA) (NA) (NA) (NA) (NA)	2,936 (NA) (NA) (NA) (NA) 2,629	530,794 509,941 495,306 499,996 490,147 462,379	2,087,582 1,919,946 1,776,443 1,751,396 1,675,963 1,489,855	444,934 431,594 417,605 423,755 416,652 392,147	891,529 860,481 816,940 827,647 825,855 747,876	1,526,070 1,427,899 1,306,828 1,295,876 1,259,885 1,111,075	4,617,912 4,248,345 5,894,185 5,804,579 3,577,016 3,083,448	227,279 240,291 236,894	115 110 107 108 106	138 126 123 116

(NA) Not available.

'Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

'Includes expenditures for plants under construction but not in operation.

'The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

March 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically significant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

<u>Production workers, wages.</u>—This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1965: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

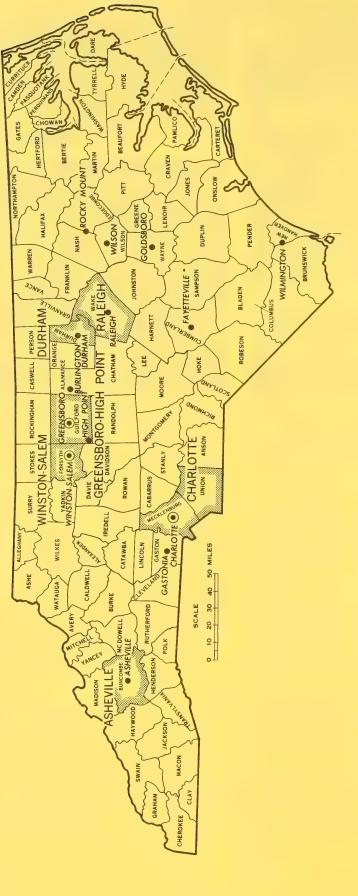
The requirement that each SMSA consist of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MO63(P)-S1 through MO63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



NORTH CAROLINA

Incorporated places of 100,000 and over incorporated places of 25,000-100,000 Standard Metropolitan Statistical Areas



5

Table 2.--GENERAL STATISTICS FOR THE STATE, STANDARD METR-POLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

					196	3				19	58
	stablis num	hments,	All emp	loyees ²	Pro	duction wor	kers	Value	Consider	All	We live
State, standard metropolitan statistical areas,	Диш							added by	Capital expend-	employ-	Value added by
and counties	Cotal	With 20 or more	Number	Pormol1	Mumban	Man-houma	Wagaa	manufac- ture	itures,	ees, number ²	manufac- ture
1	lotal	employ- ees	Number	(\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
NORTH CAROLINA, TOTAL	7,760	2,936	530,794	2,087,582	444,934	891,529	1,526,070	4,617,912	294,736	462 , 379	3,083,448
STANDARD METROPOLITAN STATISTICAL AREAS											
Asheville 4	167	65	16,737	71,267	12,763	26,017	48,237	148,352	9,141	12,173	71,344
Charlotte ⁵ . Durham ⁶ . Greensboro-High Point ⁷ .	626	231 48	32,446 12,770	151,586 59,252	22,843 9,729	46,422 18,978	86,855 41,441	279,049 217,402	16,234 7,475	27,691 12,638	197,293 205,930
Greensboro-High Point'	627 196	289 63	45,788 8,829	194,451	35,518 6,169	69,381 12,399	121,321 21,424	417,311 88,979	17,871 5,619	41,873 7,256	315,167 50,357
Raleigh ⁸ Winston-Salem ⁹	209	83	57,072	38,128 186,492	28,207	54,841	118,457	645,275	19,404	35,791	434,374
COUNTIES1											
Alamance	210	107	19,648 2,614	79,768 8,215	15,994 2,424	31,834 4,826	54,687 7,222	145,946 15,194	5,427 833	19,063	123,759 4,796
Anson	52 57	9	1,971	6,581	1,853	3,672	5,571	11,808	928	1,552	6,738
AsheAvery	21	3	1,919 501	5,693 1,383	1,839	3,444 910	5,199 1,237	13,289 3,556	(Z) (Z)	1,028 359	5,310 1,809
Beaufort	61 45	15	1,929	5,807	1,686 807	3,523	4,706	12,366	1,023	1,371	8,472
Bladen	67	13	915 1,342	2,399 3,378	1,213	1,518 2,279	2,040	4,513 5,425	(Z) 754	79 ⁴ 1,512	3,952 3,887
Brunswick. Buncombe.	27 167	6 65	544 16,737	1,843 71,267	458 12,763	908 26,017	1,410 48,237	4,106 148,352	(Z) 9,141	687 12,173	5,246 71,344
Burke	115	56	12,455	44,882	10,890	20,919	35,279	86,639	4,726	9,487	52,627
CabarrusCaldwell	76 124	40 59	23,020 11,356	83,807 42,914	21,364	43,672 21,653	74,957 35,899	127,236 80,762	11,993	21,943	90,571 47,001
Carteret	46 420	187	940 21,380	2,962 74,997	836 19 , 045	1,558 37,762	2,403 60,460	5,198 149,381	(Z) 7,805	1,085	6,587 95,989
Chatham	86	28	4,001	13,503	3,483	6,894	10,664	24,271	831	2,919	14,884
Cherokee Chowan	27 24	13	1,161	3,468	1,074	2,060	3,006	7,899	(Z)	768 544	3,513
Cleveland	128	58	551 11,020	1,717 41,855	490 9,622	954 19,725	1,429 32,791	3,704 94,893	(Z) 14,852	7,868	1,752 37,235
Columbus	62	25	3,723	16,042	3,149	6,109	11,915	33,597	3,745	2,195	18,411
Craven	77 92 258	21 35	1,950 3,867	6,828 14,953	1,574 3,164	3,433 6,970	5,045 10,522	14,304 28,471	1,278 2,184	2,004 3,757	11,327 20,710
Davidson	258 43	97 l	17,120 2,498	58,030 8,581	15,123 2,289	29,475 4,668	46 , 365 7 , 300	112,136 15,322	5,753 1,608	15,968 1,926	74,821 10,118
Duplin	49	13	1,891	6,393	1,663	3,408	5,352	15,588	782	1,251	5,414
Durham. Edgecombe	120 54	48 18	12,770	59,252 12,583	9,729 2,821	18,978	41,441	217,402 20,666	7,475	12,638 2,387	205,930
Forsyth	209	83	3,227 37,072	186,492	28,207	5,826 54,841	9,019 118,457	645,275	1,197 19,404	35,791	9,327 434,374
Franklin	37 290	159	961 30,360	3,314 113,134	848 26,924	1,789 55,633	2,817 91,058	6,711 246,071	1,103 18,694	1,084 27,805	4,499 157,781
Granville	30	13	2,109	7,641	1,844	3,907	5,917	14,601	689	1,294	5,655
Guilford	627 90	289	45,788 5,740	194,451 23,216	35,518 4,987	69 , 381 10 , 325	121,321 18,783	417,311 42,936	17,871 2,642	41,873 4,659	315,167 25,954
Harnett. Haywood.	49 36	14 13	2,906 4,810	9,473 28,271	2,585 3,650	4,965 8,040	7,920 19,755	20,835 64,289	1,700 2,705	2,730 5,219	15,513 39,969
Henderson.	54	25	4,366	17,808	3,573	6,995	12,710	37,068	3,859	3,322	22,110
HertfordHoke.	44 10	16	1,569	5,363 6,805	1,427	2,843	4,557	9,511	(Z)	1,211	4,438 9,224
Iredell	158	84	1,717	52,113	12,444	3,252 25,750	5,677 40,971	18,947 100,957	1,108 5,141	11,154	66,220
Jackson	24	71	1,053	3,665	938	1,780	3,072	8,353	(Z)	643	4,738
JohnstonLee	81 76	22 23	3,971 5,050	12,005 16,662	3,465 4,449	6,853 8,489	9,205 13,003	15,963 33,050	981 2,474	2,801 3,922	10,541 18,016
Lincoln.	52 63	21 26	4,600 3,696	24,991 11,557	3,356 3,401	6,532 6,643	13,992	95,696 24,252	10,206	4,305	63 , 332 8 , 688
McDowell.	50	24	5,493	19,562	5,022	10,202	16,845	45,247	2,282	5,208	32,391
Macon	29 15	4 3	624 639	1,943 2,465	53.7 53.2	1,053 1,093	1,626 1,609	3,137 4,491	(Z) (Z)	762 446	3,943 2,265
Martin	15 44	15	2,365	11,070	2,018	4.049	8.866	32,169	2.8081	2,196	14,938
Mecklenburg	541 31	199	29,154 991	140,140 2,617	20 , 016 935	40,975 1,661	78,451 2,310	259 , 579 3,61 0	14,504 657	25 , 369 703	187,019 2,823
Montgomery.	92	29	4,320	12,665	3,839	7,171	10,226	32,369	852	4,000	16,648
Moore	73 82	24 33	3,280 4,723	11,165 17,518	2,742 3,866	5,324 7,829	8,341 12,174	19,164 33,091	1,092 1,965	2,642 4,159	11,199 30,097
New Hanover	106 43	39 13	5,779 1,186	21,920 3,480	4,806 1,070	9,694 2,158	16,231 3,033	42,005 7,434	1,932 (Z)	4,963 1,067	24,725 3,550
Onslow	23	4	278	875	225	446	611	1,382	(Z)	211	707
OrangePamlico	39 18	9 3	1,078 250	3,649 422	920 231	1,880 421	2,874 378	7,397 801	938 (Z)	1,356 100	6,669 221
Pasquotank.	39 29	14	2,554 320	9,436 718	2,029	3,957 524	6,502	12,718 1,575	564 (Z)	1,631	7,403 547
See footnotes at end of table.	->	7	720	120	210	7.7	1	-,5717	(3)	102	J.,

Table 2.--GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958--Continued

(See text for explanation of column captions)

	1963										958
State, standard metropolitan		shments, mber	All en	mployees ²	Pro	duction wor	kers	Value	Capital	All	Value
statistical areas, and counties ¹	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
COUNTIES1Continued											
Perquimans Person Pitt Polk Randolph.	13	2	260	561	245	449	504	729	(Z)	193	512
	42	11	2,726	10,078	2,325	4,751	7,734	15,371	2,505	2,462	10,882
	70	26	2,286	9,105	1,834	4,121	6,248	19,121	2,164	1,732	10,152
	26	9	909	3,063	753	1,484	2,193	6,605	(Z)	1,182	4,539
	200	69	13,365	46,897	11,907	22,889	37,397	102,506	6,329	12,425	76,672
Richmond. Robeson. Rocking ham Rowan. Rutherford	67	24	4,496	16,23,4	4,147	8,276	14,311	31,060	2,826	3,333	17,585
	81	36	3,877	12,982	3,398	7,296	10,664	51,690	2,414	2,942	15,213
	85	39	11,265	45,829	9,768	19,581	36,116	158,503	10,085	11,150	118,452
	134	62	8,857	32,947	7,614	15,322	25,243	58,115	5,097	7,616	38,868
	87	32	7,247	26,788	6,492	13,835	22,049	40,426	6,995	7,050	31,172
Sampson. Scotland. Stanly. Stokes. Surry.	75	25	2,158	6,463	1,913	3,757	5,307	10,660	717	1,738	6,673
	30	15	3,412	11,818	3,196	6,760	10,250	20,483	1,440	2,972	12,238
	82	32	7,888	28,592	6,941	14,038	22,909	43,267	21,767	6,616	37,405
	24	9	1,130	3,565	981	1,778	2,810	8,178	3,018	429	1,760
	101	43	10,784	38,681	9,838	19,596	31,169	62,138	1,758	9,381	40,376
Swain. Transylvania. Union. Vance. Wake.	13	7	687	2,122	599	1,136	1,646	4,254	(Z)	295	1,389
	20	6	3,699	21,129	2,356	5,174	12,184	45,344	6,765	2,885	28,834
	85	32	3,292	11,446	2,827	5,447	8,404	19,470	1,730	2,322	10,274
	35	18	2,189	7,963	1,951	4,110	6,264	16,062	1,211	2,117	9,776
	196	63	8,829	38,128	6,169	12,399	21,424	88,979	5,619	7,256	50,357
Warren	36	6	843	2,241	755	1,417	1,801	3,165	(Z)	698	2,045
Washington	18	4	337	1,154	300	634	977	2,335	(Z)	511	1,681
Watauga	30	4	907	3,604	808	1,432	2,985	6,164	764	265	1,791
Wayne	87	27	3 ,1 58	11,620	2,613	5,248	7,686	23,671	1,604	2,598	16,208
Wilkes	116	26	4,506	13,745	4,085	8,029	11,552	21,762	1,638	3,444	15,685
Wilson	67	34	3,962	13,976	3,299	6,499	10,136	26,263	1,435	3,227	20,028
Yadkin	33	3	347	1,096	274	530	730	1,917	(Z)	305	1,409
Yancy	19	7	693	2,442	619	1,270	2,058	4,034	(Z)	608	2,438

(Z) Less than \$500 thousand.

Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The Asheville Standard Metropolitan Statistical Area is coextensive with Buncombe County, N.C.

The Charlotte Standard Metropolitan Statistical Area consists of Mecklenburg and Union Counties, N.C.

The Durham Standard Metropolitan Statistical Area is coextensive with Durham County, N.C.

The Greensboro-High Point Standard Metropolitan Statistical Area is coextensive with Wake County, N.C.

The Winston-Salem Standard Metropolitan Statistical Area is coextensive with Forsyth County, N.C.

Table 3.--GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958 (See text for explanation of column captions)

				(See text I	or explanat	ion of colu	umn captions	,				
						1963					19	58
Code	industry group	Establis num	hments,	All employees		Pro	duction wor	kers	Value	Capital	All	Value
		Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	added by manufac- ture	expend- itures, new ¹	employ- ees, number	added by manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total ²	7,760	2,936	530 , 794	2,087,382	444,934	891,529	1,526,070	4,617,912	294,736	462,379	3,083,448
20 201 202 203 207 208 209	Food and kindred products Meat products. Dairies Canned and frozen foods Candy and related products. Beverages. Miscellaneous foods and	864 173 65 58 17 131	344 65 42 24 7 85	32,487 7,540 4,875 2,078 420 4,641	127,291 22,068 20,351 5,994 1,151 21,513	19,161 6,386 1,746 1,894 318 1,503	38,650 11,632 4,118 3,336 506 3,478	59,347 16,535 6,786 4,280 770 5,538	328,381 56,922 59,042 20,989 3,627 51,913	19,960 2,590 2,906 1,010 (Z) 4,783	29,943 5,824 5,006 1,289 260 4,382	235,207 28,160 46,638 7,268 1,277 34,886
21 211 214	kindred products Tobacco manufactures: Cigarettes. Tobacco stemming and redrying.	5 50	5 45	2,277 19,507 9,316	99,557	17,488	34,357 15,231	86,55%	22,275 792,533 83,032	14,333	17,701	604,165
22 221 222 223 224 225 226	Textile mill products. Weaving mills, cotton Weaving mills, synthetics Weaving, finishing mills, wool Narrow fabric mills. Knitting mills. Textile finishing, except	1,193 72 60 8 33 638	870 71 57 6 24 411	219,740 50,188 31,295 3,762 2,524 65,195	784,039 189,280 128,957 15,206 9,340 204,394	202,381 47,152 28,090 3,360 2,272 60,490	407,313 97,867 61,148 6,939 4,541 111,810	669,960 169,709 107,540 12,789 7,447 174,604	1,426,885 308,438 234,092 31,646 17,487 358,913	106,429 33,006 8,378 1,647 1,315 19,410	211,124 53,135 29,173 3,426 1,967 62,186	1,012,404 246,143 158,587 19,381 10,854 282,363
228	woolYarn and thread mills	62 233	44 214	10,664 49,228	44,479 166,302	8,7 6 4 46,178	18,336 94,075	31,874 145,072	82,258 329,892	7,220 29,618	8,149 47,586	41,778 220,365

Table 3.--GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958--Continued

(See text for explanation of column captions)

_						1963					19	158
		Establis	shments,	All emp	olovees		duction wor	Verc				
Code	Industry group	nur	nber	AII CIII	Jiojees		Arde vion wor		Value added by	Capital expend-	All employ-	Value added by
		Total	or more	Number	Payroll	Number	Man-hours	Wages	manufac+ ture	itures, new ¹	ees, number	manufac- ture
			employ- ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
23	Apparel and related products	376	279	48,900	139,307	45,330	82,745	116,982	234,704	6,701	29,378	115,244
232 233	Men's and boys' furnishings Women's and misses' outerwear	90 72	83 61	19,044 7,309	52,356 19,796	17,869 6,714	32,026 11,849	45,180 16,245	82,725 29,940	1,555 682	10,938 3,397	38,151 12,190
234 236	Women's and children's under- wear	5ô 29	49 25	9,207	26,061 10,982	8,473 3,508	15,574 6,371	21,175 9,203	50,201 16,071	879 (2)	6,283 2,734	27,785 9,595
239	Children's outerwear Fabricated textiles, n.e.c	101	28	3,778 6,346	20,980	5,808	11,273	16,600	42,357	2,891	4,166	20,555
241	Lumber and wood products Logging camps and contractors	2,283	335 14	27,950 3,494	77,220 6,634	24,862 3,067	48,791 5,845	64,222 5,912	130,825 14,750	12,604	31,253 3,571	101,720 9,325
242 243	Sawmills and planing mills Millwork and related products	1,256	209 77	15,180 5,934	40,046 19,371	13,418 5,434	25,508 11,462	33,367 16,040	64,373 32,660	7,532 1,607	18,862 6,139	56,493 24,521
244	Wooden containers Miscellaneous wood products	31 94	28	1,159 2,183	3,460 7,709	1,055 1,888	2,068 3,908	2,854 6,049	5,376 13,666	/ (Z) 618	1,432	5,619 5,762
25 251	Furniture and fixtures Household furniture	538 464	290 260	48,092 44,472	178,535 164,015	43,294 40,178	89,940 83,139	146,244 135,413	334,375 308,678	14,147 12,910	39,615 35,914	210,457 190,413
252 253 254	Office furniture Public building furniture	11 19	8 9	1,460 1,440	5,649 5,481	1,277 1,240	2,757 2,657	4,283 4,141	12,139 8,620	645 (Z)	1,052 1,785	6,388 8,200
254 26	Partitions and fixtures Paper and allied products	23 95	11 65	585 12,880	3,000 74,374	496 10,211	1,196	2,125 54,379	4,214	(Z) 14,162	713	4,602 102,679
264 265	Paper and paperboard products Paperboard containers and	28	16	1,000	4,392	821	1,841	3,181	9,564	674	458	3,823
	boxes	55	38	3,554	16,551	2,874	6,332	11,881	32,188	1,593	2,988	21,025
27 271	Printing and publishing	568 166	113 57	10,258 5,362	49,346 26,751	6,847 3,049	13,480 5,789	30,097 14,501	84,278 45,948	5,081 2,276	8,825 4,677	62,663 34,249
275 276	Commercial printing Manifold business forms	287	35 5	3,074 430	14,469 2,160	2,419 318	4,995 670	10,341	24,994 3,925	2,014 (Z)	3,050 160	20,950 1,586
278 279	Bookbinding and related work. Printing trades services	15 34	7 4	485 310	1,554 1,714	416 240	771 477	1,122 1,301	2,116 2,417	(Z)	160 301	1,082 2,271
28 284	Chemicals and allied products	244 52	78 12	14,706 556	80,120 3,036	9,704 360	19,340 743	42,851 1,250	272,473 6,924	29,260 (Z)	11,111 394	150,565 5,418
285 287	Paints and allied products Agricultural chemicals	23 71	6 32	684 2,061	4,381 7,885	452 1,382	766 2,723	1,604 4,282	9,232 23,170	(Z) 1,764	484 2,018	5,213 12,448
30	Rubber and plastics products,											-00
306	Rubber products, n.e.c	56 14	24 5	3,170 1,593	13,740 7,595	2,553 1,272	5,197 2,512	9,991 5,627	31,344 19,297	1,244 (Z)	1,900 1,548	18,078 14,740
31	Leather and leather products	32		1,901	7,646	1,501	2,778	5 , 253	13,303	(Z)	1,307	6,870
32 323	Stone, clay and glass products. Products of purchased glass	340 12	6	10,851 824	44,543 3,057	8 , 727 708	18,418 1,439	31,512 2,436	92,199 6,597	9,514 (Z)	7 , 897 833	50,504 5,338
325 327	Structural clay products Concrete and plaster products	33 227	69	2,547 3,888	11,034 15,603	2,079 2,780	6,067	7,902 9,414	19,014 33,451	1,740 4,823	2,296 3,064	14,500 20,849
328 329	Cut stone and stone products. Nonmetallic mineral products.	18 33	15	499 1,435	1,789 5,793	432 1,244	753 2 , 499	1,408 4,382	2,582 10,461	(2) 693	641 909	3,235 5,753
33 332	Primary metal industries Iron and steel foundries	62 23	27 10	3,487 1,261	18,053 5,665	2,884 1,167	5,981 2,273	13,116 4,811	42,875 10,376	20,605 (Z)	2,720 1,315	23,303 7,293
34 342	Fabricated metal products	271	80 10	9,219	44,878	7,318	15,587	29,852	80,946	6,579	6,320	43,895
344 348	Cutlery, hand tools, hardware Structural metal products Fabricated wire products,	22 171	43	1,485 4,394	8,404 21,813	1,068 3,439	2,223 7,237	4,736 14,826	16,369 32,887	3,618	652 2 , 995	4,044 21,977
349	n.e.c	18	10	1,101	3,742	981	1,977	2,928	5,459	(Z)	856	4,294
	n.e.c	15	6	605	3,007	446	912	1,714	5,135	735	464	2,371
35 352	Machinery, except electrical Farm machinery and equipment.	409 26	11	11,717	55,438 5,287	9,020 1,109	18,865 2,219	35,703 3,231	114,895 8,645	3,865 (Z)	9 ,1 21 849	68,529 5,043
355 356	Special industry machinery General industrial machinery.	145 28	67	6,952 398	33,470 1,950	5,201	11,056 652	20,786 1,254	73,491 4,287	2,289 (Z)	5,013 680	37,779 6,402
358 359	Service industry machines Miscellaneous machinery	18 137	6	803 1,119	3,952 5,092	599 944	1,245 1,936	2,729 4,001	10,410	(Z) (Z)	447 1,050	3,369 7,181
36 361	Electrical machinery Electric distribution	84	47	23,121	117,862	16,429	33,424	70,313	278,895	13,107	13,846	143,130
363	products	8 11	4 5	2,147 2,067	10,902 7,839	1,572	3,286 3,620	6,377 6,289	41,020 17,878	(Z) 1,339	1,696 1,061	24,600 11,169
367	Electronic components	16	13	3,567	13,455	3,055	6,107	10,251	33,100	1,689	2,714	15,666
37 371	Transportation equipment Motor vehicles and equipment.	93 34	30	4,775 1,986	22 , 477 9 , 245	3,692 1,620	7,799 3,503	16,129 6,700	37,713 18,890	2,811 1,401	2,344 1,418	15,791 10,378
39	Miscellaneous manufacturing,											1.7
396	including ordnance ³	144 16	31 4	4,161 501	20,046	3,039 454	6,046 881	11,227	32,877 4,664	861 (2)	9,602 188	46,117 1,500
	Administrative and auxiliary4	-	-	10,948	85,490	-	-	-	-	-	6,912	-

Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment's) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

Table 4.--GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958 (See text for explanation of column captions)

		1963										1958		
Code	Industry group	Establis num	shments,	All emp	oloyees	Pro	oduction wor	kers	Value added by	Capital expend-	All	Value added by		
0040	industry group	Total	With 20 or more employ=	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures,	ees,	manufac- ture		
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)		
					(POINT SMSA ord County,	N.C.)					
	All industries, total ²	627	289	45,788	194,451	35,518	69,381	121,321	417,311	17,871	41,873	315,167		
201	Food and kindred products	48 10	30	3,046 614	13,064 2,152	1,581	3,364 988	5,545 1,415	26,998 3,856	1,113 (Z)	2,633 462	19,410 2,328		
201	Meat products	5	7 3	457	2,227	511 174	414	730	5,605	(Z)	510	4,103		
205	Bakery products	11	9	1,069	4,632	495	1,107	1,931	8,902	(Z)	923	6,323		
209	Miscellaneous foods and kindred products	9	3	343	1,534	137	300	472	3,618	(Z)	220	2,328		
22	Textile mill products	73 44	49	14,239	48,237	13,047	24,231	39,984	76,230	6,116	15,400	74,073		
225 228	Knitting mills	44	30 4	6,118 1,063	17,278 3,945	5,743 973	9,880 2,073	14,716 3,425	28,234 8,539	1,825	7,061 717	30,706 3,982		
229	Miscellaneous textile goods	7	2	300	1,132	269	517	912	2,268	(Z)	271	1,657		
23 234	Apparel and related products Women's and children's	25	17	4,200	12,531	3,791	6,902	9,818	20,814	(Z)	3 ,5 48	13,637		
2)4	underwear	8	7	1,768	5,184	1,663	3,157	4,483	8,208	(Z)	1,063	4,660		
24	Lumber and wood products	47	17	1,079	3,861	955	2,037	3,002	6,539	(Z)	1,065	6,474		
242	Sawmills and planing mills	19	7	370	1,175	334	704	957	1,965	(Z)	413	1,637		
243	Millwork and related products	16	9	620	2,356	546	1,189	1,804	3,976	(Z)	461	3,555		
25 251	Furniture and fixtures Household furniture	132 116	70 62	7,056 5,918	27,876 22,982	5,930 4,955	12,108 9,998	20,261 16,912	52,575 41,009	1,910 1,362	6,470 5,568	39,326 33,655		
26	Paper and allied products	19	12	1,182	5,504	968	2,186	4,076	13,182	(Z)	818	7,290		
27	Printing and publishing	71	13	1,372	6,545	940	1,769	3,883	10,558	(Z)	1,059	8,353		
275 278	Commercial printing Bookbinding and related work.	40	4 5	341 373	1,537 1,172	282 319	559 594	1,175 826	2,687 1,539	(Z)	392 117	3,232 872		
28	_	35	15	1,467	8,535	1,002	1,943	4,073	44.590	993	1,137	23,535		
285	Chemicals and allied products Paints and allied products	7	4	507	3,417	362	587	1,278	7,336	(Z)	389	4,374		
32 327	Stone, clay and glass products. Concrete and plaster products	19 10	12 7	891 351	4,440 1,692	676 260	1,530 612	2,654 1,053	8,836 3,014	763 (Z)	945 408	5,777 2,545		
34	Fabricated metal products	51	20	1,789	7,960	1,450	3,044	5,468	11,523	914	1,414	10,007		
342	Cutlery, hand tools, hardware	9	2	277	940	220	448	683	1,464	(2)	138	1,163		
344 348	Structural metal products	18	6	621	3 , 525	445	1,001	2,151	4,916	583	589	4,800		
240	Fabricated wire products,	10	6	583	2,180	527	1,048	1,668	3,368	(Z)	496	2,910		
39 	Miscellaneous manufacturing Administrative and auxiliary ³	22	6	308 2,942	1,135 23,295	247	463	707	2,127	(Z)	259 1 , 758	1,725		

Represents zero. (D) Withheld to avoid disclosing figures for individual companies. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishments) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

POSTAGE AND FEES PAID U.S. DEPARTMENT OF COMMERCE





1963 CENSUS OF MANUFACTURES

Area series

preliminary report

Value added by manufacturing in 1963 in the State of North Dakota amounted to \$72 million, an increase of 31 percent from 1962 and 16 percent from 1958. Of this total, \$34 million was contributed by the food and kindred products industries and \$11 million by the printing and publishing industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1 .-- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	All emp	loyees ¹	Pr	oduction worke	rs	Value added by	Capital	Index of (1958 •	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	458 (NA) (NA) (NA) (NA) (NA) 405	79 (NA) (NA) (NA) (NA) 7°	6,478 6,013 6,024 5,975 6,209 6,324	31,035 26,532 26,000 25,122 26,514 26,198	4,465 4,295 4,290 4,235 4,322 4,398	9,186 8,698 8,804 8,472 8,801 8,846	19,345 16,841 16,248 15,752 17,066 16,999	72,484 55,394 61,172 59,586 59,196 62,643	7,933 (2,770) 3,727 2,416 2,668 9,142	102 95 95 94 98 100	116 88 98 95 94 100

NA) Not available.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes, expenditures for both plants in operation and for plants under construction but not in operation.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parentheses may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary



BUREAU OF THE CENSUS

be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours. --This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

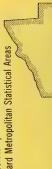
1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports. Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



NORTH DAKOTA

Incorporated places of 25,000-100,000 Standard Metropolitan Statistical Areas



NORTH DAKOTA

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958 (See text for explanation of column captions)

					196	3				19	58
State, standard metropolitan	Establi num	shments, ber	All emp	loyees ²	Pro	duction wor	kers	Value	Capital	All	Value
statistical areas, and counties ¹	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
NORTH DAKOTA, TOTAL	458	79	6,478	31,035	4,465	9,186	19,345	72,484	7,933	€,324	62,643
STANDARD METROPOLITAN STATISTICAL AREAS											
Fargo-Moorehead ⁴	99 68 31	27 18 9	2,314 1,591 723	11,897 8,282 3,615	1,629 1,119 510	3,296 2,121 1,175	7,654 5,398 2,256	29,685 18,433 11,252	1,402 681 721	2,702 1,966 736	21,909 16,870 5,039
COUNTIES1											
burleigh. Cass. Crand Forks. Stark. Ward. Williams.	23 68 38 19 39 23	6 18 10 6 10 4	590 1,591 665 309 632 270	2,888 8,282 3,253 1,217 3,313 1,369	356 1,119 440 234 391 186	716 2,121 935 488 840 372	1,472 5,398 2,002 869 1,770 875	5,354 18,433 9,319 2,441 6,902 2,223	(Z) 681 585 (Z) 610 (Z)	534 1,966 526 216 614 211	4,632 16,870 5,235 1,260 5,907 1,696

⁽Z) Less than \$500 thousand.

Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and sutiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The Fargo-Moorehead Standard Metropolitan Statistical Area consists of Cass County, N.D. and Clay County, Minn.

1963 CENSUS OF MANUFACTURES

Table 3. —GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

						196	i3				19	58
Code	Industry group	Establi num	shments,	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
	All industries, total ²	458	79	6,478	31,035	4,465	9,186	19,345	72,484	7,933	6,324	62,643
20 201 202 208	Food and kindred products Meat products. Dairies. Beverages.	18	40 7 13 6	2,879 423 1,089 282	13,206 1,880 4,726 1,344	1,889 347 713 132	4,053 652 1,623 267	7,896 1,574 2,961 466	34,285 5,311 10,916 2,947	5,575 (Z) 872 (Z)	3,205 763 1,179 244	30,316 5,827 11,638 1,842
27 271 275	Printing and publishing Newspapers Commercial printing		17 13 4	1,341 1,047 271	6,526 5,131 1,284	861 650 202	1,669 1,252 399	4,090 3,138 886	11,089 8,964 1,932	670 541 (Z)	1,230 964 240	8,977 7,126 1,712
32	Stone, clay and glass products	44	8	549	2,569	414	818	1,597	5,221	(Z)	383	3,507
34	Fabricated metal products	15	1	255	1,249	176	346	713	2,016	(Z)	270	2,185
	Administrative and auxiliary3	_	-	(D)	(D)	_	-	-	-	-	-	-

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

(This State contained no standard metropolitan statistical areas with 40,000 or more manufacturing employees)

⁻ Represents zero. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand.

1 Includes expenditures for plants under construction but not in operation.

2 The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

3 In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE







Area series

preliminary report

Value added by manufacturing in 1963 in the State of Ohio amounted to \$15,443 million, an increase of 6 percent from 1962 and 35 percent from 1958. Of this total, \$2,458 million was contributed by the transportation equipment industry and \$2,254 million by the primary metal industry, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	All emp	loyees ¹	Pr	oduction worke	rs	Value added by	Capital	Index of	change
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963 1962 ⁸ 1961 ⁸ 1960 ⁹ 1959 ⁸	15,177 (NA) (NA) (NA) (NA) 14,931	5,614 (NA) (NA) (NA) (NA) 5,534	1,240,563 r1,222,760 r1,190,044 r1,266,426 r1,265,757 r1,198,805	8,083,775 r7,680,225 r7,198,468 r7,465,666 r7,368,745 6,508,367	889,463 880,793 847,238 912,550 918,468 856,457	1,807,427 1,770,462 1,678,768 1,809,435 1,847,388 1,658,460	5,254,247 5,005,113 4,602,832 4,860,724 4,835,806 4,170,233	15,443,018 14,579,780 13,306,803 13,829,999 13,856,820 11,472,503	856,498 776,498 752,265 805,563 677,950 822,229	103 102 99 106 106 100	135 - 127 116 121 121 100

(MA) Not available. "Revised.

'Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

'Includes expenditures for plants under construction but not in operation.

'The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

April 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number. --This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours. --This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages.--This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. -- This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more popula-tion) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

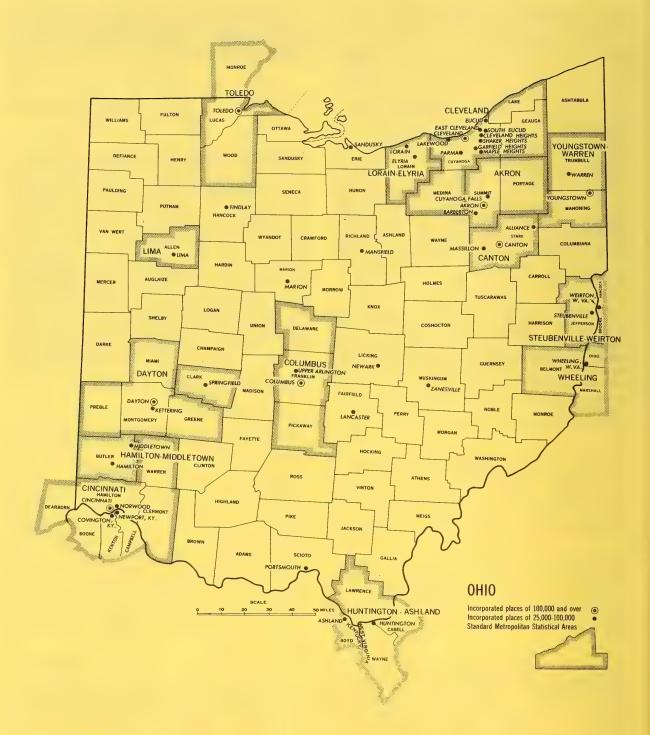


Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

				•	196	3				19	58
State, standard metropolitan	Establi	shments,	All emp	loyees ²	Pro	duction wor	kers	Value	Capital	All	Value
statics statistical areas and counties ¹	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	added by manufac- ture	expend- itures, new ³	employ- ees, number ²	added by manufac- ture
		ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
OHIO, TOTAL	15,177	5,614	1,240,563	8,083,775	889,463	1,807,427	5,254,247	15,443,018	856,498	T1,198,805	11,472,503
STANDARD METROPOLITAN STATISTICAL AREAS											i
Alcron ⁴ Canton ⁵	837 512	304 192	89,004 53,681	622,087 342,296	56,352 39,944	113,272 78,800	358,014 234,538	1,031,918 657,791	62,979 33,457	88,932 51,166	808,990 499,608
Cincinnation Ohio	1,920 1,708	766 700	152,623 141,279	965,009 900,398	100,463 91,633	207,117 189,099	555,623 509,609	2,007,160 1,826,787	77,912 72,631	156,478 145,526	1,555,328
Portion in Kentucky Portion in Indiana	179 33	55 11	7,505 3,839	42,700 21,911	5,732 3,098	11,747 6,271	29,226 16,788	80,761 99,612	3,080 2,201	7,663	70,360 56,281
Cleveland Columbus Columbus	4,046 960	1,432 351	280,097 80,545	511,473	194,519 54,127	398,608 107,929	1,176,073 304,383	3,330,349 984,354	176,168 57,835	271,455 72,991	2,557,400 679,786
Dayton 9. Hamilton-Middletown 10. Huntington-Ashland 11. Portion in Ohio.	1,024	381 83	104,689 26,202	722,157	78,327 19,214	163,771 40,190	503,388 130,053	1,297,278	64,528 16,573	97,189 30,932	912,079 318,510
Portion in West Virginia	263 44 180	111 19 76	24,252 4,134 13,531	146,984 25,178 75,627	18,905 3,386 10,720	37,679 6,722 21,631	104,816 19,673 53,509	317,411 71,116 149,481	99,179 (D) (D)	22,814 4,317 12,336	244,042 50,423 113,764
Portion in Kentucky	39 145	16 57	6,587 14,847	46,179 93,106	4,799	9,326	31,634 63,178	96,814	(D) 9,606	6,161	79,855
Lorain-Elyria ¹³	268 198	88 76	29,885 16,997	213,336 105,234	22,668	46,739 24,644	151,975 69,092	545,500 176,913	25,712 5,458	24,724 13,070	259,962 127,716
Lima ¹² Lorain-Elyria ¹³ Springfield ¹⁴ Steubenville-Weirton ¹⁵ Portion in Ohio.	133 67	64 29	28,545 10,848	205,652 78,096	23,589 9,110	45,617 17,854	163,746 64,329	426,523 141,492	58,558 43,321	29,894 11,089	353,022 124,088
Portion in West Virginia Toledo 16	66 992	35 327	17,697 71,065	127,556 487,303	14,479 50,006	27,763	99,417 313,086	285,031 921,934	15,237 42,883	18,805 70,838	228,934 715,535
Portion in Ohio Portion in Michigan	865 127	288 39	64,396 6,669	441,163 46,140	44,618 5,388	90,838 11,891	277,552 35,534	823,827 98,107	34,892 7,991	64,688 6,150	657,387 58,148
Wheeling 17 Portion in Ohio	185 78	81 29	15,701 4,754	93,394	11,689	22,463 7,072	62,792 19,684	190,707 46,460	24,904 4,353	17,240 4,025	150,340 28,395
Portion in West Virginia Youngstown 18	107 562	52 215	10,947 68,331	67,262 472,043	7,896 55,351	15,391 108,976	43,108 356,947	144,247 886,389	20,551 57,438	13,215 76,437	121,945 729,376
COUNTIES1											
Adams	21 145	3 57	345 14,847	1,144 93,106	302 10,989	602 22,189	851 63,178	2,360 206,248	(Z) 9,606	326 13,543	1,800 140,299
AshlandAshtabula	61 153	28 64	5,631 8,640	30,024 52,040	4,276 6,771	8,505 13,926	20,543 38,524	53,733 112,322	1,824 21,244	4,639 7,031	40,924 72,695
Athens	36 66	9 27	1,616 4,921	8,208 27,690	1,200 3,784	2,290 8,070	5,582 20,156	19,673	749 2,673	2,022 4,291	17,511
BelmontBrown.	78 18	29	4,754 463	26,132 1,822	3,793 422	7,072 867	19,684	46,460 3,992	4,353 (Z)	4,025	28,395 4,122
Butler	192 24	83 13	26,202 1,435	195,313 7,501	19,214 1,121	40,190 2,264	130,053 5,490	373,664 11,895	16,573 (Z)	30,932 1,556	318,510 13,362
ChampaignClark.	37 198	13 76	2,190 16,997	11,394 105,234	1,717 12,113	3,558 24,644	8,508 69,092	21,732 176,913	667 5,458	1,797 13,070	16,573 127,716
Clermont. Clinton	43 45	11 18	709 2,043	3,057 8,165	546 1,392	1,135 3,250	2,010 6,184	4,930 21,700	(Z) 991	528 1,889	2,591 14,683
Columbiana	195	80	9,520	54,557	7,508	14,967	39,825	89,850	2,420	10,313	70,950
Coshocton	66 86 3,625	21 36 1,295	4,621 8,032 257,019	25,547 46,656 1,767,390	3,300 5,428 177,649	6,869 10,978 365,103	16,379 28,909 1,090,956	56,900 89,783 3,093,667	5,094 2,880 161,582	3,671 7,738 252,941	36,331 63,182 2,409,156
Cuyahoga Darke Defiance	70 46	22	2,723 4,379	13,218	2,321 3,613	4,789 8,037	10,419 24,355	37,754 59,384	1,029 4,810	2,653 3,873	25,566 35,136
Delaware	49 120	16 52	2,342	12,354	1,880	3,878	8,988	29,089	728	1,939	18,810
Fairfield	71	31 17	9,682 9,089 2,021	59,805 45,579 11,359	7,727 6,693 1,521	15,845 12,214 3,170	44,416 30,138 7,877	123,220 78,701 24,208	8,624 2,036 669	10,284 7,499 1,424	90,542 58,843 11,020
Franklin	884	321	75,441	483,366	50,111	99,820	284,939	898,073	49,121	68,983	622,651
Fulton	82 20	29 4	3,153 255	14,609 1,283	2,661 192	5,328 441	10,678 919	33,763 1,925	1,920 (Z)	2,179 208	21,724 1,599
GeaugaGreeneGuernsey	74 80 49	25 20 19	3,536 2,424 4,772	18,927 14,476 27,216	2,614 1,838 3,187	5,061 3,663 6,153	11,786 9,817 14,700	34,533 31,444 67,356	2,053 1,303 955	2,230 2,292 3,537	17,114 25,232 30,808
Hamilton	1,601	670	139,062	888,516	89,967	185,538	501,968	1,805,703	71,554	143,582	1,414,719
Hancock Hardin Harrison.	84 38 23	35 14 5	5,802 1,943	32,584 9,681	1,538	8,692 3,031	22,594 7,240	62,391 29,510	3,165 951	6,625 1,675	42,598 21,296 5,339
Henry	64	21	1,319 2,888	4,357 13,975	1,148 2,342	1,725 4,823	3,410 9,951	6,136 79,159	(Z) 1,689	1,168 2,249	5,339 41,238
Highland	39 38	14 13	1,778 1,505	6,828 7,393	1,536 1,234 719	3,115 2,486	5,380 5,845 2,929	13,600 17,862	694 (Z)	1,697 546	9,678 13,675
Holmes Huron Jackson	41 92 60	10 36 22	826 4,790 1,777	3,571 24,106 8,381	719 3,966 1,384	1,514 8,094 2,652	2,929 18,190 5,661	7,353 55,472 20,634	(Z) 3,809 666	1,138 3,737 1,801	7,069 31,128 13,304
			29111	0,501	2,504	2,002	2,001	20,004	000	2,001	20,004

1963 CENSUS OF MANUFACTURES

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958—Continued

(See text for explanation of column captions)

					196	3				19	58
State, standard metropolitan	Establi num	shments, ber	All emp	loyees ²	Pro	duction work	kers	Value added by	Capital	All employ-	Value added by
statistical areas and counties ¹	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures, new3	ees, number ²	manufac- ture
		ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
COUNTIES1—Continued											
Jefferson	67	29	10,848	78,096	9,110	17,854	64,329	141,492	43,321	11,084	124,088
Knox	43	10	4,198	27,655	3,117	6,504	18,772	47,970 159,609	3,327	3,868 12,558	31,656
Lake Lawrence	240 44	84 19	15,068 4,134	92,439 25,178	10,834 3,386	21,893 6,722	57,875 19,673	71,116	11,086 (D)	4,317	101,751 50,423
Licking	92	34	10,517	67,038	8,256	16,293	49,485	120,013	9,146	9,586	118,187
	14	-	20,527	01,050	0,250	20,275	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	220,02	,,,,,,,	7,700	220,201
Logan	40	17	2,006	11,001	1,627	3,327	8,458	26,124	1,473	1,975	18,957
Lorain	268	88	29,885	213,336	22,668	46,739	151,975	545,500	25,712	24,724	259,962
Lucas	756	256	58,252 659	396,606 2,611	39,538 571	80,053 1,153	240,804	722,849 4,645	28,495 (Z)	58,317 1,115	570,107 9,279
Madison	26 325	118	36,325	244,853	28,849	56,336	180,601	457,298	21,957	42,550	385,916
Madioning	رعد	110	30,323	244,000	20,047	50,550	100,001	451,250	21,001	42,550	303,310
Marion	74	33	7,356	45,172	5,616	11,326	32,699	105,978	3,528	6,305	67,181
Medina	107	28	4,474	23,139	3,422	6,551	15,456	42,540	1,447	3,726	29,479
Meigs	19	7	366	1,433	283	529	1,000	3,272	(Z).	493	2,753
Mercer	65	17	3,501	18,248	2,813	5,499	13,548	37,843	1,611	3,095	26,772
Miami	140	61	10,363	61,794	7,720	16,171	41,357	139,549	5,788	9,105	83,447
Montgomery	771	291	91,091	641,910	68,127	142,623	449,447	1,117,212	57,067	85,137	798,905
Morgan	16	5	624	3,196	525	821	2,293	6,174	(Z)	614	6,467
Muskingum	102	42	8,708	44,520	7,052	13,757	32,419	76,601	8,251	9,714	79,542
Ottawa	74	23	3,178	18,569	2,544	5,550	14,200	37,586	2,104	2,778	28,780
Paulding	24	5	910	5,083	765	1,654	4,268	15,185	(Z)	857	9,848
Perry	33	17	1.512	6,377	1,291	2,528	5,026	10,371	(2)	1,678	10,137
Pickaway	27	14	2,761	15,753	2,136	4,231	10,456	57,192	7,986	2,069	38,325
Portage	135	57	6,658	39,848	5,132	10,741	26,765	72,956	5,748	5,566	48,373
Preble	33	9	811	3,977	642	1,314	2,767	9,073	(Z)	655	4,495
Putnam	37	12	2,468	12,300	2,078	4,259	9,903	26,321	903	1,806	16,227
Richland	171	66	22,492	147,536	16,611	33,605	98,505	309,382	20,520	19,650	225,608
Ross	62	11	4,769	31,356	3,908	8,780	24,555	67,270	7,626	4,588	48,905
Sandusky	108	43	6,217	36,611	4,833	9,752	25,280	93,291	4,899	6,019	69,991
Scioto	87	27	7,078	38,799	5,861	11,175	30,007	72,244	4,920	7,031	59,963
Seneca	80	35	7,818	50,245	5,945	12,607	35,415	107,025	10,533	7,472	78,286
Shelby	77	22	5,763	31,226	4,456	8,987	22,187	54,258	3,121	5,115	29,001
Stark	512	192	53,681	342,296	39,944	78,800	234,538	657,791	33,457	51,166	499,608
Summit	702	249	82,346	582,239	51,220	102,531	331,249	958,962	57,231	83,366	760,617
Trumbull	237	97	32,006	227,190	26,502	52,640	176,346	429,091	35,481	33,887	343,460
Tuscarawas	147	62	8,663	48,307	6,785	12,975	34,514	99,716	4,527	8,699	76,440
Union	28	11	2,170	11,931	1,372	2,658	6,822	28,892	1,096	1,166	13,652
Van Wert	40	17	2,631	14,586	1,998	4,009	9,703	34,426	1,847	2,180	21,294
Vinton	21	2	392	1,460	370	676	1,381	4,503	(Z)	487	2,938
Warren	64	19	1,508	8,825	1,120	2,426	5,631	16,154	900	1,416	11,377
Washington	74	32	4,761	28,409	3,392	6,745	18,835	62,376	6,786	4,511	61,401
Wayne	139	68	10,235	56,345	7,452	15,244	37,452	113,603	6,337	9,105	92,095
Williams	83	34	5,108	27,677	4,120	8,363	20,041	53,581	2,708	3,647	28,654
Wood	109	32	6,144	44,557	5,080	10,785	36,748	100,978	6,397	6,371	87,280
Wyandot	41	16	1,543	7,170	1,280	2,638	5,621	17,158	506	1,258	10,879

(2) Less than \$500 thousand.

*Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

*Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

*Includes expenditures for plants under construction but not in operation.

*The Akron Standard Metropolitan Statistical Area consists of Portage and Summit Counties, Ohio.

*The Canton Standard Metropolitan Statistical Area is coextensive with Stark County, Ohio.

*The Cincinnati Standard Metropolitan Statistical Area consists of Clermont, Hamilton, and Warren Counties, Ohio; Boone, Campbell, and Kenton Counties, Centucky: and Dearborn County. Indiana.

The Cincinnati Standard Metropolitan Statistical Area consists of Clermont, Hamilton, and Warren Counties, Ohio; Boone, Campbell, and Kenton Counties, Kentucky; and Dearborn County, Indiana.

The Cleveland Standard Metropolitan Statistical Area consists of Deleware, Franklin, and Pickaway Counties, Ohio.

The Columbus Standard Metropolitan Statistical Area consists of Greene, Misami, Montgomery, and Preble Counties, Ohio.

The Hamilton-Middletown Standard Metropolitan Statistical Area consists of Capell and Wayne Counties, Ohio.

The Hamilton-Middletown Standard Metropolitan Statistical Area is coextensive with Butler County, Ohio.

The Huntington-Ashland Standard Metropolitan Statistical Area consists of Cabell and Wayne Counties, W. Va., Boyd County, Ky., and Lawrence County, Ohio.

The Lorain-Elyria Standard Metropolitan Statistical Area is coextensive with Lorain County, Ohio.

The Springfield Standard Metropolitan Statistical Area is coextensive with Cark County, Ohio.

The Steubenville-Weirton Standard Metropolitan Statistical Area is coextensive with Cark County, Ohio.

The Steubenville-Weirton Standard Metropolitan Statistical Area consists of Jefferson County, Ohio.

The Cledo Standard Metropolitan Statistical Area consists of Lucas and Moor Counties, Ohio and Monroe County, Michigan.

The Wheeling Standard Metropolitan Statistical Area consists of Lucas and Moor Counties, Ohio.

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

						196	3				19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
0040		Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	added by manufac- ture	expend- itures, new1	employ- ees, number	added by manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total ²	15,177	5,614	1,240,563	8,083,775	889,463	1,807,427	5,254,247	15,443,018	856,498	r _{1,198,805}	11,→^2.503
20 201	Food and kindred products Meat products	1,724 303	661 111	77,194 12,025	424,435 73,391	44,692 9,159	92,660 18,811	225,467 50,589	1,018,270 127,492	52,983 5,895	85,948 14,668	871,624 110,754
202	Dairies	377 138	176	18,380	103,438	7,172 5,073	15,432	37,978 18,916	221,121 123,868	14,940 3,767	20,707	199,161 58,104
203 204	Grain mill products	128	41	4,077	24,069	3,144	6,667	17,129	109,693	3,836	4,857	91,396
207 208	Candy and related products Beverages	81 208	17 83	1,665 9,019	6,296 54,578	1,290 4,474	2,567 9,060	4,252 24,5 08	14,376 118,915	850 12,504	1,843	11,240 122,469
209	Miscellaneous foods and kindred products	208	59	6,739	39,028	4,102	8,599	20,445	110,421	4,708	6,843	88,091
21	Tobacco manufactures	12	8	1,118	4,060	947	1,802	3,151	12,906	(Z)	1,495	11,318
22	Textile mill products	88	46	8,865	46,535	7,437	15,201	33,888	86,502	6,003	9,310	67,382
225 229	Knitting mills	20 35	16 1c	3,048 4,083	12,172 26,409	2,809 3,157	5,409 6,722	9,787 18,785	19,571 52,800	1,164	3,232 4,254	19,176 37,847
23	Apparel and related products	392	139	19,791	77,737	16,056	29,386	50,955	169,266	1,981	21,379	123,252
231	Men's and boys' suits and coats	24	14	5,605	22,297	4,652	8,486	16,807	53,664	(Z)	6,254	35,933
232 233	Men's and boys' furnishings Women's and misses' outerwear	49 52	29 34	4,320 4,431	16,368 18,656	3,411 3,477	6,312 6,392	9,680 10,527	39,445 40,437	(Z) (Z)	5,053 4,146	30,295 26,972
238 239	Miscellaneous apparel Fabricated textiles, n.e.c	33 208	14 42	1,785 3,116	6,681 12,062	1,536 2,537	2,635 4,747	4,871 7,831	11,165 20,998	(Z) 946	1,703 3,488	9,332 17,441
24	Lumber and wood products	801	124	9,730	42,267	7,665	15,262	29,669	84,437	5,422	8,911	57,719
242 243	Sawmills and planing mills	376 147	28 46	2,402	7,644	2,032	3,796	6,526	13,994 40,700	1,975 1,634	2,165 3,371	11,574 26,479
244	Millwork and related products Wooden containers	54	18	3,775 946	19,711 3,625	2,735 819	5,743 1,629	12,569 2,860	5,794	(Z)	1,552	8,021
249	Miscellaneous wood products	148	31	2,406	10,762	1,892	3,771	7,273	22,708	1,365	1,707	11,225
25 252	Furniture and fixtures Office furniture	359 20	120 12	17,510 3,628	96,346 22,905	14,149 3,005	27,643 5,829	70,231	181,476 43,457	6,275 1,039	18,877 4,291	159,644 40,513
254 259	Partitions and fixtures Furniture and fixtures,	98	30	4,660	28,370	3,567	6,994	19,749	52,900	2,436	5,260	46,599
	n.e.c	2"	4	459	2,118	375	768	1,644	5,976	(Z)	424	3,835
26 262	Paper and allied products Paper mills, except building.	305 19	216 19	36,919 8,141	232,431 59,224	29,101 6,520	63,752 15,236	168,829 44,818	426,722 129,369	29,089 11,056	35,821 8,600	343,331 92,478
264 265	Paper and paperboard products Paperboard containers and	124	66	10,959	67,000	8,255	17,798	45,132	118,049	7,988	10,435	91,159
	boxes	133	105	14,421	83,280	11,461	23,922	59,763	123,974	6,714	12,904	106,677
27 271	Printing and publishing Newspapers	1,878 333	449 116	59,606 16,259	369,858 102,746	39,039 8,695	78,388 16,956	228,022 54,965	672,265 185,728	40,909 10,884	57,912 16,975	523,888 154,028
272 273	Periodicals Books.	88 60	19 24	3,135 3,558	18,717 21,727	864 2,347	1,595 4,950	4,829 13,025	47,115 48,737	1,698 3,735	3,274 2,666	39,080 24,647
274	Miscellaneous publishing	43	11	640	3,496	246	491	1,259	4,603	725	487	3,796
275 276	Commercial printing Manifold business forms	1,106 28	195 18	23,984 4,063	148,144 26,160	18,653 2,986	37,424 6,263	107,359	244,070 59,989	19,174 2,455	22,566 4,329	188,914 44,805
277 278	Greeting card manufacturing Bookbinding and related work.	8 58	4	4,541 1,221	26,664 5,806	2,647 1,016	5,626 2,011	11,321 4,322	48,413 10,419	1,086 (Z)	3,633 1,453	37,170 9,864
279	Printing trades services	154	43	2,205	16,398	1,585	3,072	12,050	23,191	755	2,529	21,584
28 281	Chemicals and allied products Basic chemicals	755 146	292 66	46,312 17,540	311,727 122,725	27,896 10,787	56,951 21,744	168,019 72,438	981,293 336,636	68,455 38,284	45,438 17,917	714,852 250,581
282 283	Fibers, plastics, rubbers	44 55	32	6,495	42,334	4,900	10,050	28,523	115,450	14,451	4,889	72,740
284	Drugs Cleaning and toilet goods	1+0	13 37	2,764 5,417	18,460 38,695	942 2,951	1,865 6,307	4,250 19,063	45,932 257,964	1,750 5,292	2,542 5,644	29,593 181,360
285 289	Paints and allied products Miscellaneous chemical	121	56	6,011	39,167	3,223	6,668	17,541	92,589	2,268	6,067	84,438
	products	159	54	5,874	39,996	3,521	7,086	19,463	98,721	4,728	4,993	69,680
29 291	Petroleum and coal products Petroleum refining	155 19	51 14	6,904 3,921	50,691 31,741	2,859	9,755 5,616	33,465 21,943	162,089 107,960	8,114 5,318	7,672 4,595	141,769 101,480
295 299	Paving and roofing materials. Petroleum and coal products,	96	22	2,123	13,292	1,608	3,357	9,034	38,339	2,264	2,055	27,331
	n.e.c	40	15	860	5,658	384	~82	2,438	15,790	532	1,022	12,958
30	Rubber and plastics products,	472	266	79,634	527,592	60,300	121,409	362,225	947,789	64,459	76,627	710,124
301 306	Tires and inner tutes	23 155	17 96	31,005	235,156	23,256	45,585	165,064	437,524	32,558	35,88T 29,223	384,119
307	Rubber products, n.e.c Plastics products, n.e.c	288	148	31,871 15,699	200,436 84,705	23,364 12,783	46,716 27,434	131,033 60,370	324,686 171,209	17,010 14,097	10,336	222,262 92,564
31 314	Leather and leather products Footwear, except rubber	81 23	38 19	9,618 7,434	38,724 28,842	8,511 6,654	15,913 12,288	30,565 22,839	66,750 45,866		10,920 8,561	62,456 45,883
32 322	Stone, clay and glass products. Pressed and blown glassware	1,100 26	408 22	63,156 12,386	358,748 67,140	51,466 10,626	101,248 19,858	271,444 54,678	755,620 148,361	49,361 4,553	64,434 11,850	623,881 111,613
323	Products of purchased glass	61	23	3,638	23,076.	3,059	6,166	18,539	55,783	2,906	3,464	59,753
324 325	Cement, hydraulic	12 145	117	1,823	12,190 63,950	1,448	2,917	8,790 48,331	37,830 103,150	6,592 4,663	2,362	36,817 99,376
326 327	Pottery and related products. Concrete and plaster products	79 580	47	£,663 10,056	40,447 60,612	7,360 6,717	13,910 14,292	31,670 36,223	66,466 138,495	1,680 14,364	9,287 10,402	56,041 111,867
329	Nonmetallic mineral products.	152		3,368	52,213	7,033	14,450	38,526	113,607	9,693	7,438	77,058

Table 3. - GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958-Continued

(See text for explanation of column captions)

						196	3				19	58
Code	Industry group	Establi num		All emp	loyees	Pro	duction wor	kers	Value added by	Capital	All employ-	Value added by
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ¹ (\$1,000)	ees, number	manufac- ture (\$1,000)
33	Primary metal industries	660	387	159,620	1,132,983	134,015	267,411	898,668	2,254,048	217,599	153,269	1,643,681
331	Steel rolling and finishing	87	76	90,555	661,760	77,344	148,474	535,113	1,415,008	163,329	93,387	1,111,351
332 335	Iron and steel foundries Nonferrous rolling and	156	123	29,014	194,401	24,621	51,129	154,653	323,988	20,427	25,637	203,025
	drawing	50	38	16,969	119,962	13,254	28,649	89,940	248,545	21,619	13,370	160,414
336 339	Nonferrous foundries	206	77	10,602	65,884	8,802	18,180	50,555	108,111	3,781	10,029	76,074
339	Primary metal industries,	120	50	8,359	61,026	6,827	14,034	46,963	89,238	5,499	8,342	64,453
34	Fohmiasted metal maduate	2.015	835	115 205	m 6 2 m 6	00 010	3.00 047	107.050	7 222 012	67. 200	333 068	
342	Fabricated metal products Cutlery, hand tools, hardware	2,015 170	68	115,395 14,216	715,375 93,428	88,717 11,272	180,967 22,905	497,050 68,428	1,332,813	61,302 15,977	113,267 13,087	1,035,289 122,957
343	Plumbing and heating, except	2,0		21,1220	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	11,212	22,505	00,120	200,071	10,011	15,007	122,751
	electric	89	50	10,850	66,424	8,032	15,371	43,816	142,428	4,982	10,687	108,457
344 345	Structural metal products	600	225	27,808	170,596	19,532	39,331	106,506	301,282	10,575	30,584	277,357
346	Screw machine products Metal stampings	271 254	114 139	14,559 17,471	91,965 106,972	11,661 14,394	24,786 29,813	66,108 81,472	157,423 180,062	6,783 7,507	13,818 17,124	122,435 130,646
348	Fabricated wire products,											
349	n.e.c Fabricated metal products,	102	35	2,985	16,958	2,404	4,918	11,886	29,695	1,287	4,412	39,410
	n.e.c	192	104	19,180	122,274	14,443	29,493	83,118	225,372	9,359	16,967	173,948
35	Machinery, except electrical	2,728	821	162,925	1,091,110	118,379	243,852	730,354	1,919,086	82,207	157,461	1,410,508
352	Farm machinery and equipment.	70	31	6,346	36,005	5,096	10,257	27,012	60,867	2,003	5,273	45,043
353	Construction and like equipment	193	105	22,473	147,660	15,236	30,682	90,360	252,222	7,319	2/, 300	204 230
354	Metalworking machinery	942	301	46,232	330,241	33,186	71,367	219,045	559,393	26,056	24,300 42,748	206,230 376,082
355	Special industry machinery	222	99	16,120	108,362	11,083	23,182	67,778	191,743	5,682	14,250	128,817
356	General industrial machinery.	377	125	31,534	205,265	22,371	45,397	132,777	380,569	15,471	30,627	269, 269
358	Service industry machines	103	42	9,300	56,348	6,770	13,725	36,909	109,584	3,533	7,968	66,088
359	Miscellaneous machinery	792	105	8,714	49,288	7,092	14,640	37,105	82,290	3,833	9,339	71,577
36 361	Electrical machinery Electric distribution	501	283	117,215	730,663	86,739	173,138	482,336	1,537,194	52,429	108,122	1,143,242
	products	61	35	6,052	34,342	4,471	8,991	21,628	75,677	1,879	5,774	53,666
362	Electric industrial apparatus	112	66	30,035	202,056	21,504	44,611	132,620	369,583	15,203	32,661	310,082
363 364	Household appliances Lighting and wiring devices	38 115	25 62	32,094 14,340	219,806 78,804	25,132 11,518	49,660 22,564	156,805 56,383	525,785 204,733	17,634 4,982	29,859 12,399	394,390 141,700
365	Radio and TV receiving											
200	equipment	16	7	1,111	5,068	805	1,641	3,150	8,940	(Z)	2,845	21,745
366 367	Communication equipment Electronic components	43 72	22 38	15,103 9,777	87,756 48,754	8,876 7,851	17,669 14,842	42,819 34,006	151,619 81,289	4,242 3,897	4,103 7,695	24,871 57,018
369	Electrical products, n.e.c	44	28	8,703	54,077	6,582	13,160	34,925	119,568	4,456	12,786	139,770
37	Transportation equipment	401	230	163,386	1,216,333	122,471	259,270	844,177	2,458,182	90,493	151,552	1,566,867
371	Motor vehicles and equipment.	224	145	109,311	808,698	90,592	194,886	641,075	1,839,463	75,233	84,259	943,872
372 373	Aircraft and parts Ship and boat building	80 34	46 10	47,275 1,466	365,548 8,388	26,265 1,271	53,166 2,374	170,618 6,755	549,258 12,549	13,338 522	60,674 2,491	570,621 15,561
38				-,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_,	_,_,	-,,,,,,			2,	,
38	Instruments and related products	204	70	12,564	69,915	8,161	16,120	38,096	139,628	7,173	9,606	77,393
381	Scientific instruments	25	4	434	2,529	294	604	1,484	5,450	(Z)	452	4,221
382	Mechanical measuring devices.	45	25	8,301	47,143	5,051	9,852	23,342	85,560	5,761	6,008	50,560
384	Medical instruments and						0.0/0			(-)		
385	supplies	82 22	28	2,355 284	11,709 1,279	1,701 241	3,340 487	7,185 1,013	21,800	(Z)	2,379	17,144 1,078
386	Ophthalmic goods Photographic equipment	20	7	355	2,047	246	510	1,299	2,119 4,041	(Z) (Z)	226 273	2,783
39	Miscellaneous manufacturing.											
	including ordnance3	545	170	25,231	134,580	18,871	37,299	87,636	236,682	10,868	24,255	184,283
391	Jewelry and silverware	45	6	417	2,181	329	632	1,612	4,917	(Z)	567	5,084
393	Musical instruments and parts	17	8	1,048	6,307	952	1,960	5,541	7,247	(Z)	2,491	13,024
394 395	Toys and sporting goods Pens, pencils and office	100	36	7,338	32,010	5,816	11,352	21,619	60,127	3,589	6,782	46,621
	supplies	47	_11	1,625	8,816	990	1,946	4,517	16,741	(Z)	1,610	13,332
398	Mi reall annous manufactures	201	106	77, 625	0/, 520	10 620	21 754	53 7700	1/7 61/	6 403	10 606	104.004
399 190	Miscellaneous manufactures	324	100	14,635	84,532	10,638	21,154	53,788	147,614	6,491	12,606	104,086
	Administrative and auxiliary			47,867	411,665						r _{36,528}	

Revised. (Z) Less than \$500 thousand.

Thoulades expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

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Table --. --GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1956

(See text for explanation of column captions)

				* * * * * * * * * * * * * * * * * * * *	*							
						196	3			1	19	58
			shments,	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
Code	Industry group		With 20						added by manufac-	expend- itures,	employ- ees,	added by manufac-
		Total	or more	Number	Payroll	Number	Man-hours	Wages	ture	new1	number	ture
			employ- ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
							AKRON SMS					
			1		(Cc	onsists of I	Portage and	Summit Count	ties, Ohio)			
	All industries, total ²	837	304	89,004	622,087	56,352	113,272	358,014	1,031,918	62,979	88,932	808,990
20 202	Food and kindred products Dairies	71 9	26	4,338 2,735	20,184 11,672	1,426 562	2,933 1,181	7,492 3,593	42,732 23,098	2,052 930	3,203 1,350	39,444 15,377
205	Bakery products	19	6	702	3,755	352	728	1,763	7,400	(Z)	661	6,760
208 24	Beverages Lumber and wood products	10 26	5 4	394 464	2,438	166 332	348 646	798 1,502	5,177 8,320	675 (Z)	457 571	5,062 4,390
26	Paper and allied products	13	8	501	2,998	357	754	1,795	5,732	(2)	326	2,400
27	Printing and publishing	79	20	1,781	11,830	1,138	2,148	7,595	20,328	1,076	1,654	17,254
275 28	Commercial printing	51 27	9	550 3,547	3,285 26,251	404 2,208	767 4,504	2,258 14,994	5,103 69,819	(Z) 4,189	515 3,361	3,928 50,111
30	Rubber and plastics products,	21	1	2,547	20,221	2,200	4,504	14,004	02,019	7,102	2,201	70,111
301	n.e.c Tires and inner tubes	90 12	57 9	38,285 26,192	277,737 198,822	27,257 19,535	52,990 38,020	181,213 138,450	454,896 353,067	34,523 28,365	42,269 (D)	395,496 (D)
306	Rubber products, n.e.c	39	23	9,681	64,686	5,772	10,521	32,612	71,415	3,791	9,783	59,640
32 327	Stone, clay and glass products. Concrete and plaster products	51 25	20 7	2,722 464	15,496 2,852	1,922 245	3,509 497	9,846 1,475	31,694 6,519	2,131 (Z)	2,450 651	22,252 5,960
33	Primary metal industries	23	9	1,252	7,676	1,089	2,208	6,199	18,299	(Z)	(D)	(D)
332	Iron and steel foundries	6	5	947	5,624	824	1,642	4,549	8,667	(Z)	(D)	(D)
34 342	Fabricated metal products Cutlery, hand tools, hardware		47 6	10,021 477	64,032 2,616	6,292 376	12,913 722	35,708 1,796	125,641 5,929	4,220 (Z)	9,016 336	90,504 3,158
346 349	Metal stampings Fabricated metal products,	11	7	681	3,848	564	1,260	2,949	6,625	(Z)	509	3,737
	n.e.c	9	6	907	5,410	680	1,300	3,832	11,191	(Z)	1,004	12,207
35 354	Machinery, except electrical Metalworking machinery	224 91	63 29	7,634 2,930	53,304 21,145	5,795 2,393	12,353 5,276	35,836 15,576	96,217 34,648	3,660 1,872	5,064 1,791	45,796 16,390
355 359	Special industry machinery Miscellaneous machinery	17 70	7 16	1,258 1,349	9,048 7,771	920 1,140	1,931 2,318	5,629 5,941	16,969 14,827	(Z) 729	1,594 1,077	16,222 7,382
37	Transportation equipment	19	11	9,880	77,269	6,430	13,933	44,745	131,564	6,646	(D)	(D)
38	Instruments and related									(-)		
39	products Miscellaneous manufacturing.	13	5	265	1,352	193	376	914	2,904	(Z)	318	2,414
394	including ordnance3	31	9	1,283	7,286	941	1,857	4,802	9,921	3,181	(D)	(D)
394	Toys and sporting goods Administrative and auxiliary4	111	3	5,578	2,965 45,759	455	866	1,647	4,311	(Z)	926 3,977	6,419
				,			CANTON SMS	L	}			
						Coextensive		County, Oh:	io)			
	All industries, total ²	512	192	53,681	342,296	39,944	78,800	234,538	657,791	33,457	51,166	499,608
20	Food and kindred products	72	27	4,512	21,967	2,455	4,984	13,457	45,352	1,962	4,369	35,583
201 202	Meat products Dairies	12 20	7 8	1,895 571	13,130 3,026	1,459 223	3,085 451	9,300 1,052	23,329 6,000	769 (Z)	1,442	11,426 7,133
205	Bakery products	16	8	1,736	4,582	610	1,135	2,584	13,324	(Z)	1,800	14,795
23	Apparel and related products	1	3	269	898	253	493	773	1,454	(Z)	182	872
24 26	Lumber and wood products Paper and allied products	18	5	375 839	1,725 4,475	307 659	1,344	1,245 3,056	2,500 6,830	(Z) (Z)	137 553	682 4,842
27	Printing and publishing	54	12	1,264	6,211	824	1,639	3,567	13,311	920	1,197	11,125
275 28	Commercial printing	35 23	6	641	2,673	510	1,013	1,636	6,007	773	558	4,973
30	Chemicals and allied products Rubber and plastics products,	2	12	467	2,763	266	521	1,263	14,776	(Z)	478	11,704
306	n.e.c	16 9	15	2,593 2,177	13,993 12,188	2,264 1,878	4,585 3,742	10,917 9,403	23,627 19,456	1,290 1,017	1,553	11,058 9,098
32	Stone, clay and glass products.	42	21	3,048	16,572	2,479	4,986	12,396	30,450	1,778	1,378 3,190	24,581
325	Structural clay products	14	14	2,254	11,665	1,910	3,808	9,211	17,820	1,110	2,516	17,488
33 339	Primary metal industries Primary metal industries,	35	23	17,350	122,869	14,859	28,839	96,455	265,562	14,465	16,431	191,038
	n.e.c	9	7	2,824	21,746	2,375	4,753	17,697	31,020	1,994	2,377	20,396
34 342	Fabricated metal products Cutlery, hand tools, hardware		33 4	5,935 801	34,830 3,826	4,393 629	8,559 1,206	23,999 2,559	74,422 9,871	3,080 (D)	7,045 353	62,618 1,451
344 346	Structural metal products Metal stampings	26 13	9	1,416 738	8,848 3,860	1,053 647	1,984 1,190	6,349 3,209	12,803 9,294	515 (Z)	3,299 849	28,105 7,407
35	Machinery, except electrical	81	16	8,240	53,602	6,477	12,731	39,127	88,253	3,127	9,352	73,186
354 39	Metalworking machinery Miscellaneous manufacturing	26 23	2 3	260	1,744	217	497	1,420	2,727	(Z)	214	1,755
39	Administrative and auxiliary		-	322 2,433	1,659 21,103	254	477	1,111	2,161	(Z)	221 677	1,901
						1						

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued

(See text for explanation of column captions)

				(See text	for explana	tion of col	umn captions	g)				
						196	3				19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by manufac-	Capital expend- itures,	All employ- ees,	Value added by manufac-
		Total	or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	ture (\$1,000)	new1 (\$1,000)	number	ture (\$1,000)
		(Co	msists of	Clermont,	Hamilton, a	nd Warren C	CINCINATTI counties, Oh:	SMSA io; Boone, C	ampbell, and	Kenton Cou	nties, Ky;	
		1 000	700	3.50	045.000							
20	All industries, total ² Food and kindred products	1,920	766	152,623	965,009	100,463	207,117	555,623	2,007,160	77,912	156,478	1,555,328
20 201	Meat products	253 49	104 22	17,825 2,536	110,020 16,542	11,296 1,845	23,070 3,688	63,035	302,573 22,838	12,457	19,829	244,808 20,454
202 204	Dairies	47 15	19 7	2,142 850	12,603 5,798	783	1,654	4,289	21,491	1,692	2,537	26,153
205	Grain mill products Bakery products	35	13	3,013	17,764	640 1,963	1,358 4,025	4,157 10,472	27,647 44,092	873 2,232	765 3,734	10,328 37,650
207 208	Candy and related products	18 34	6 19	554 5,713	2,255	482	889	1,760	6,571	(Z)	765	4,574
209	Beverages Miscellaneous foods and	54	19	الله و الا الله و الا	35,686	3,766	7,582	22,297	127,777	4,092	(D)	(D)
	kindred products	32	11	2,189	15,293	1,158	2,507	6,761	38,719	1,735	2,280	35,337
22	Textile mill products	13	7	766	3,977	690	1,481	3,297	10,980	(Z)	1,036	8,547
23 231	Apparel and related products Men's and boys' suits and	90	37	5,204	19,057	4,207	7,578	12,619	36,513	777	6,393	30,433
	coats	15	10	2,044	7,480	1,677	2,941	5,154	12,900	(Z)	2,459	11,629
232 233	Men's and boys' furnishings Women's and misses' outerware.	15 10	8 6	1,489 833	5,042 3,515	1,206 646	2,163 1,193	3,589 1,963	9,071 7,549	(Z) (Z)	1,820 1,205	8,418 5,728
239	Fabricated textiles, n.e.c	40	10		2,332	510	957	1,427	4,603	520	681	3,603
25 251	Furniture and fixtures	67 34	26 16	3,821	19,336	3,185	6,334	14,697	36,037	687	3,883	31,858
	Household furniture	64	46	2,297 7,177	11,207 41,961	1,914 5,820	3,918	8,254 31,189	21,478 68,747	(Z)	2,523	19,050
26 264 265	Paper and allied products Paper and paperboard products. Paperboard containers and	23	12	1,993	9,504	1,565	3,221	6,828	19,437	3,050 959	6,617 1,758	58,951 11,771
	boxes	31	24	3,721	22,435	3,060	6,516	16,411	29,260	1,334	(D)	(D)
27 272	Printing and publishing Periodicals	320 12	100	12,489 734	74,870 4,019	8,407 142	16,404 246	44,815 761	135,221 8,607	6,495 (Z)	12,341	102,823
273	Books	12	8	1,154	6,845	709	1,474	3,808	16,763	(Z)	951	10,035
275 278	Commercial printing Bookbinding and related work	201 17	53 8	5,841 369	34,855 1,655	4,585 299	8,978 613	24,190 1,155	57,768 2,566	4,861	5,766 437	46,993 3,377
279	Printing trades services	26	10	504	3,915	402	760	3,084	5,437	(Z) (Z)	679	5,575
28	Chemicals and allied products	113	.51	10,968	79,090	6,562	13,625	42,478	357,548	9,128	11,634	258,412
281 284	Basic chemicals	20 36	11	3,616 3,294	25,001 26,413	2,401 2,133	4,682 4,622	15,764 14,961	66,379 220,496	1,472 4,439	4,411 3,929	61,825 152,872
285	Paints and allied products	16	6	808	5,052	457	926	2,477	11,775	(Z)	702	9,072
289	Miscellaneous chemical products	19	11	1,219	8,556	745	1,543	4,784	22,351	1,253	976	15,563
29	Petroleum and coal products	19	5	1,242	8,234	1,015	2,194	6,489	22,555	1,025	1,802	25,147
30	Rubber and plastics products,	17		1,52.72	0,254	1,010	2,154	0,400	22,000	1,025	1,002	25,141
20	n.e.c	33	14	3,370	21,247	2,633	5,805	14,981	50,078	2;179	(D)	(D)
31	Leather and leather products	18	10	2,007	7,855	1,800	3,466	6,545	11,096	564	2,414	11,221
314	Footwear, except rubber	5	5	1,783	6,981	1,604	3,084	5,890	9,653	(D)	1,981	8,711
32 327	Stone, clay and glass products Concrete and plaster products.	105 66	24 13	2,797 995	15,665 6,038	2,087 615	4,403 1,307	10,482 3,318	34,929 15,028	2,215 1,259	2,509 964	23,838
33	Primary metal industries	56	34	3,905	24,832	3,234	6,828	18,720	48,117	2,747	3,346	30,102
336	Nonferrous foundries	22	10	637	4,002	558	1,195	3,169	6,442	(Z)	480	2,392
34 344	Fabricated metal products	229 90	108	13,338	80,225	10,456	21,346	56,105	132,416	5,600 830	12,889	112,803
345	Structural metal products Screw machine products	19	42 7	3,368 376	21,426 1,964	2,523 305	5,284 713	14,134 1,473	29,298 3,927	(Z)	3,490 297	28,136 2,499
346 347	Metal stampings	24 37	18 13	2,101 847	12,069	1,695 707	3,343 1,501	8,879	21,226	779	2,066 618	16,762
348	Metal services, n.e.c Fabricated wire products,				4,537			3,328	6,682	(Z)		3,372
349	n.e.c	14	6	416	2,152	361	759	1,568	3,655	(Z)	434	3,011
249	n.e.c	24	13	3,398	20,492	2,716	5,468	14,433	34,886	2,076	3,241	31,887
35 353	Machinery, except electrical Construction and like	261	87	16,228	106,494	10,315	21,446	59,790	167,970	6,374	17,394	136,632
354	equipment Metalworking machinery	15 84	9 31	1,290 9,747	7,802 68,954	5,770	1,793 12,073	4,451 36,458	11,544 112,036	(Z) 4,246	1,369 10,525	10,627 77,794
355	Special industry machinery	34 33	15 10	1,118	6,927	776 837	1,664 1,769	4,188	11,773	500	1,367	10,748 (D)
356 358	General industrial machinery Service industry machines	16	9	1,184 1,243	7,613 6,527	927	1,844	4,863 4,529	13,323 10,260	536 (Z)	(D) 1,259	9,947
36	Electrical machinery	50	33	12,646	73,684	8,256	16,663	40,532	133,262	2,614	8,972	81,653
364 367	Lighting and wiring devices	14 8	7 5	1,007 2,351	5,612 12,289	763 2,027	1,592 3,767	3,583 8,431	11,337 25,566	(Z) 520	1,092 2,558	4,972 22,547
37	Electronic components	30	16	22,904	184,046	14,392	31,621	104,573	396,460	19,110	25,405	290,643
38	Transportation equipment Instruments and related products		9	1,599	8,059	1,139	2,306	4,587	14,130	(Z)	1,128	9,120
384	Medical instruments and supplies	14	6	725	3,394	528	1,046	1,948	6,254	·(Z)	655	4,796
39	Miscellaneous manufacturing	117	39	5,780	28,631	4,302	8,598	17,805	39,719	1,479	(D)	(D)
394 398	Toys and sporting goods	23	9	2,570	11,976	1,826	3,585	6,687	15,439	621	2,168	15,808
399 190	Miscellaneous manufactures	63	19	2,126	9,948	1,671	3,376	6,612	14,626	(Z)	(D)	(D)
	Administrative and auxiliary4	-	-	7,601	53,138	-	-	-	-	-	6,720	-

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Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued

(See text for explanation of column captions)

-												
						196	3				19	58
		Establi	shments,	427		Dece		1				
Code	Industry group	num		All emp	toyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
Ocac	Industry Group		With 20						manufac-	itures,	ees,	manufac-
		Total	or more	Number	Payroll	Number	Man-hours	Wages	ture	new 1	number	ture
			employ- ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
			L	L			-					
				(Consists of	Cuyahoga,	CLEVELAND Geauga, Lak	smsa e, and M edin	a Counties,	Ohio)		
					1					T		
	All industries, total ²	4,046	1,432	280,097	1,901,895	194,519	398,608	1,176,073	3,330,349	176,168	271,455	2,557,400
20 201	Food and kindred products	260 46	108	12,369 1,312	73,272	6,911 991	14,294	36,919 4,769	149,627 9,873	9,789	15,769 2,552	144,296 19,146
202	Dairies	45	27	2,900	18,291	943	2,052	5,762	36,136	2,619	3,582	35,147
203 205	Canned and frozen foods Bakery products	26 48	9 22	1,136 3,595	5,562 20,503	809 2,072	1,872 4,230	3,270 11,432	18,491 31,521	(Z) 510	(D) 4,382	(D) 30,946
208	Beverages	34	11	2,106	14,100	1,177	2,274	7,300	33,006	4,684	3,118	36,270
209	Miscellaneous foods and kindred products	35	15	1,013	5,750	683	1,449	3,394	14,788	604	1,177	11,636
22	Textile mill products	43	22	3,813	16,487	3,410	6,836	12,760	26,705	1,226	3,442	18,362
225	Knitting mills	14	11	2,404	9,741	2,193	4,284	7,964	13,876	725	2,025	11,224
23 233	Apparel and related products	116 25	18	8,440	37,247 12,366	6,408	11,941	22,509	96,734	521	8,665	65,205
239	Women's and misses' outerwear. Fabricated textiles, n.e.c	57	12	2,638 805	3,066	1,923 646	3,562 1,218	6,090 1,998	29,165 5,390	(Z) (Z)	2,340 1,018	19,144 5,118
24	Lumber and wood products	81	14	959	4,795	759	1,542	3,468	7,662	597	1,475	8,885
243	Millwork and related products.	27	7	353	2,083	244	472	1,254	3,509	(Z)	473	2,992
25 251	Furniture and fixtures Household furniture	107 57	24 13	3,393 1,408	18,919 6,960	2,653 1,147	5,016 2,032	12,914 4,809	43,139 13,072	2,528 (Z)	3,967 1,528	38,288
254	Partitions and fixtures	32	7	1,603	9,655	1,219	2,426	6,761	26,505	2,078	2,090	12,890 22,646
26	Paper and allied products	63	41	5,499	34,101	4,160	8,612	22,336	54,433	3,484	4,953	44,512
264	Paper and paperboard products.	29	15	2,508	16,809	1,802	3,845	10,447	26,257	2,046	2,310	21,951
27 271	Printing and publishing Newspapers	522 45	113 16	14,252	95,585 23,817	9,290 1,663	18,594 3,122	54,071 11,191	177,887 41,326	5,679 740	14,374 3,453	142,618 39,974
272	Periodicals	37	9	1,334	8,926	401	722	2,283	22,195	(Z)	1,094	15,949
273 275	Books Commercial printing	22 319	7 52	1,138 4,306	7,935 28,293	817 3,283	1,667 6,475	5,069 19,659	17,612 44,694	913	1,133 4,237	9,023 36,290
278	Bookbinding and related work	22	7	648	3,290	548	1,111	2,520	6,236	(Z)	599	4,446
279	Printing trades services	54	15 94	683	5,031	463	910	3,538	6,931	(Z)	745	6,457
28 281	Chemicals and allied products Basic chemicals	254 43	20	13,371 3,751	87,970 24,642	8,052 2,416	16,231 4,730	44,371 14,555	195,491 50,649	11,775	14,457 4,335	160,462 44,516
282	Fibers, plastics, rubbers	11	8	2,333	12,173	1,976	4,012	9,624	28,717	1,444	2,247	18,787
284 285	Cleaning and toilet goods Paints and allied products	52 59	10 25	625 3,201	3,976 21,569	241 1,621	516 3,374	1,146 8,847	9,260 49,581	(Z) 1,288	638 3,751	7,040 53,486
289	Miscellaneous chemical	70	24	2,894								
29	products Petroleum and coal products	43	22	1,815	22,373 12,442	1,380 1,115	2,722	8,210 7,068	50,133 43,540	2,287	2,764 1,726	29,893 32,6 13
30	Rubber and plastics products,			1,010	12,772	السلد والد	ر کے واعم	7,000	45,540	2,200	1,720	32,013
	n.e.c	95	40	5,929	32,787	4,630	9,432	22,331	53,893	3,377	4,699	33,903
306	Rubber products, n.e.c	22	11	3,985	23,561	3,103	6,504	16,418	35,492	1,119	3,221	20,859
32 323	Stone, clay and glass products Products of purchased glass	146 13	49	4,127 297	25,166 1,721	3,213 251	6,575	17,904 1,293	55,691 3,177	3,832 (Z)	4,052 426	42,237 3,597
327	Concrete and plaster products.	69	19	1,240	8,662	823	1,765	5,281	18,667	2,217	1,327	17,047
329	Nonmetallic mineral products	36	17	1,444	7,915	1,164	2,386	5,791	17,255	843	(D)	(D)
331	Primary metal industries Steel rolling and finishing	205 18	110 15	36,514 15,218	263,061 116,412	29,907 12,743	60,556	203,263 93,272	505,406 269,887	54,893 45,062	35,587 13,966	373,371 183,783
332 334	Iron and steel foundries	25	19	7,052	49,299	5,896	12,252	39,426	83,305	2,038	(D)	(D)
335	Secondary nonferrous metals Nonferrous rolling and drawing	19 13	12	1,025 3,950	7,415 27,544	770 3,037	1,782 6,096	4,682 19,388	18,978 45,803	675 2,656	(D) 4,018	(D) 47.120
336 339	Nonferrous foundries Primary metal industries,	70	29	4,780	30,026	3,867	8,030	22,355	42,145	1,924	4,932	35,000
227	n.e.c	60	24	4,489	32,365	3,594	7,431	24,140	45,288	2,532	4,567	32,667
34	Fabricated metal products	713	284	33,373	209,082	25,818	53,568	144,356	362,417	14,412	31,567	279,274
342 343	Cutlery, hand tools, hardware. Plumbing and heating, except	49	19	2,170	12,379	1,630	3,320	8,582	25,638	838	2,132	16,969
	electric	35	17	3,095	20,135	2,221	4,410	11,962	38,341	1,707	(D)	(D)
344 345	Structural metal products Screw machine products	161 127	60 56	5,865 8,977	35,136 58,028	4,577 7,203	9,334	25,231 42,092	62,052	2,314 3,705	4,497 8,680	39,849 80,193
346	Metal stampings	93	44	3,525	22,250	2,838	6,154	16,012	38,136	1,596	4,199	36,607
348	Fabricated wire products, n.e.c	43	15	1,494	8,834	1,164	2,326	6,012	15,313	545	3,105	28,891
349	Fabricated metal products,											
35	Nachinawa event electrical	63 894	37	5,954	40,237	4,326	9,034	25,331	60,211	2,546	(D)	(D)
353	Machinery, except electrical Construction and like		244	37,347	265,514	26,729	55,980	172,054	489,057	23,318	37,178	371,662
354	equipment	55 328	27 97	6,166 14,577	44,318 107,859	3,941	8,165	25,107	81,230	2,154 6,997	7,623	74,553 131,762
355	Special industry machinery	68	31	5,005	36,008	10,700 3,360	22,644 7,163	71,993 21,991	185,224 61,689	1,720	13,921 4,200	39,096
356 358	General industrial machinery Service industry machine	117 22	35 7	4,256 447	28,108 3,314	3,122 280	6,446 612	18,164 1,715	51,238 7,885	1,974	3,487 372	31,690 4,365
36	Electrical machinery	185	104	22,484	142,195	16,053	31,954	87,849	289,677	9,490	21,726	234,472
361	Electric distribution products	24	14	2,199	12,881	1,417	2,775	6,435	23,051	612	(D)	(D)
362 363	Electric industrial apparatus. Household appliances	15	27 9	9,121 1,327	64,414 8,340	6,348 995	12,764	39,976 5,316	120.971 24, 558	3,318 (Z)	7,893 1,521	93,773 24,486
364	Lighting and wiring devices	55	27	4,492	26,789	3,444	6,856	17,759	66,251	1,064	4,022	46,738
367 369	Electronic components Electrical products, n.e.c	23 12	13	1,827 2,523	9,281	1,378 1,794	2,628 3,581	6,039° 9,616	13,640 31,924	2,343 1,579	824 4,351	7,481 39,574
		,	'	,		2,15	, ,,,,,,,	2,020	2 49 5 10 1		.,	

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued

				(See text i	for explana	tion of col	umn caption	в)				
						196	3				19	58
Code	Industry group	Establi num	shments, ber	All empl	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new1 (\$1,000)	ees, number	manufac- ture (\$1,000)
				,			CVELAND SMSA	Continued				
								e, and Medin				
37 371 372	Transportation equipment Motor vehicles and equipment. Aircraft and parts	103 60 30	54 38 14	47,614 37,902 9,526	362,433 291,467 69,750	37,519 31,256 6,119	79,857 67,610 11,959	271,551 232,067 38,697	662,712 565,139 94,714	23,813 20,642 3,104	46,169 33,057 12,609	495,335 386,903 104,104
38 382	Instruments and related products	57 17	19	3,799 2,908	22,005 17,020	1,908 1,292	3,629 2,402	8,525 5,757	37,866 28,857	4,129 (D)	3,588 2,530	27,471 18,973
384	Medical instruments and supplies	23	6	457	2,278	343	670	1,394	5,334	(Z)	491	3,665
39	Miscellaneous manufacturing, including ordnance3	146	46	8,398	50,677	5,908	11,611	31,479	85,403	1,097	5,608	44,066
393	Musical instruments and parts	5	4	415	2,406	371	756	2,052	3,490	(Z)	335	2,094
395 398	Pens, pencils and office supplies	21	4	575	2,758	341	637	1,393	5,496	(Z)	575	5,086
399 191	Miscellaneous manufactures	94	35	7,176	44,468	5,015	9,903	27,398	74,724	885	(D)	(D)
	Administrative and auxiliary4	-	-	16,154	145,103	-	-	-	-	-	12,369	-
					(Consists o	of Delaware,	COLUMBUS S Franklin,	MSA and Pickaway	Counties, (Thio)		
	All industries, total2	960	351	80,545	511,473	54,127	107,929	304,383	984,354	57,835	r _{72,991}	679,786
20 201	Food and kindred products Meat products	131 18	66 9	8,376 1,278	43,921 8,162	4,609 949	9,472 1,866	22,621 5,631	101,361 12,444	6,153 (Z)	9,627 2,099	93,148 15,116
202	Dairies Bakery products	16 31	12 16	1,344	7,225 14,519	599 1,416	1,271 2,758	2,986 6,705	23,384 23,570	1,987 672	1,846 3,366	18,479 30,554
208	Beverages Miscellaneous foods and	15	10	702	4,002	327	682	1,527	9,081	1,587	628	6,859
23	kindred products	21	10	1,159 586	5,831 1,933	701 497	1,484 875	3,299 1,377	20,545 3,478	760 (Z)	927 652	14,234 2,329
232	Men's and boys' furnishings Furniture and fixtures	6 37	4 11	306 1,235	1,139 7,112	260 999	457 2,000	774 5,225	1,462	(z) (z)	373 924	1,381 8,648
251 254	Household furniture Partitions and fixtures	14 13	5	552 606	2,6-7/ 4,1: 2	460 486	889 998	2,032	5,944 5,029	(z) (z)	535 314	5,656 2,261
26 264	Paper and allied products Paper and paperboard products	20 10	13 6	1,574 580	9,148 3,412	·1,144 378	2,349 769	5,759 1,702	17,683 6,590	605 (Z)	(D) 609	(D) 6,037
27 271	Printing and publishing Newspapers	152 23	34 7	4,779 1,781	29,867 12,322	2,672 937	5,377 2,019	17,540 7,497	57,327 20,456	5,961 (D)	4,916 2,100	42,786 16,861
275	Commercial printing	91 68	18	1,566	9,592	1,156	2,186	6,697 8,490	16,840	638 8,054	1,437	10,555
281 285	Chemicals and allied products Basic chemicals Paints and allied products	13	21 3 4	443 361	2,369 2,344	331	681 426	1,748 885	47,715 4,396 5,449	(Z) (Z)	(D) 417 276	(D) 3,521 3,152
287	Agricultural chemicals	7	4	340	1,352	269	541	943	3,927	(z)	415	4,265
	Rubber and plastics products, n.e.c	22	15	1,786	9,134	1,527	2,878	6,791	23,266	1,474	(D)	(D)
31	Leather and leather products Stone, clay and glass products.	13	8 24	1,732 3,978	6,746 23,298	1,457 3,193	2,527 6,680	4,544 17,289	13,223 51,429	(Z) 3,009	1,955 3,691	10,138
327	Concrete and plaster products	41	12	833	5,322	558	1,230	2,901	11,735	1,259	812	9,216
33 332	Primary metal industries Iron and steel foundries	28 8	11 6	2,879 2,444	18,392 15,910	2,420 2,080	4,772 4,097	14,393 12,772	26,009 22,539	3,846 (D)	2,280 1,806	14,228 10,835
34 344	Fabricated metal products Structural metal products	94 38	37 11	8,102 1,312	54,483 7,858	6,313 895	12,870 1,761	39,599 4,910	117,938 12,691	6,538 (Z)	9,495 1,685	93,030 13,121
349	Fabricated metal products, n.e.c	12	8	774	4,097	642	1,302	2,915	8,707	585	517	5,480
35 352	Machinery, except electrical Farm machinery and equipment.	138	42 4	8,545	51,562 1,602	6,421 238	12,826 499	37,047 1,178	99,251 3,896	3,460 (Z)	10,246	81,386 2,810
354	Metalworking machinery	28	7 7	834	5,716	549	1,175	3,404	7,940	(z)	471	3,777
356 358	General industrial machinery. Service industry machines	18	6	3,885 1,662	22,910 10,162	3,054 1,143	6,235 2,326	17,534 6,707	44,760 21,349	2,244 (Z)	(D) 1,487	(D) 14,604
359	Miscellaneous machinery	50 35	8	493	2,949 70,889	392 9,093	827 17,550	2,198 49,257	4,271 160,492	(Z)	552 (D)	4,414 (n)
36 37	Electrical machinery Transportation equipment	32	16 16	11,649	114,457	8,267	16,685	51,601	181,685	6,759 7,342	(D) (D)	(D)
38	Instruments and related products	16	9	1,978	13,360	1,220	2,428	7,133	18,874	544	(D)	(D)
39	Miscellaneous manufacturing, including ordnance ³	40	11	1,694	9,972	1,239	2,449	6,611	27,563	816	1,007	8,555
398 399	Miscellaneous manufactures	29	11	1,639	9,753	1,196	2,364	6,439	27,060	808	946	8,299
190	Administrative auxiliary4	_	_	1,983	16,004			_	_	_	r 850	_
	•											

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Table 4.--GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AMD 1954--Cantinged

(See text for explanation of column captions)

-				- Caption										
						196	3					1958		
Code	Industry groups	Establi num	shments, ber With 20	All emp	loyees	Pro	duction wor	kers	Value added by manufac-	Capital expend- itures, new1	All employ- ees, number	Value added by manufac-		
		Total	or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	ture (\$1,000)			ture (\$1,000)		
			DAYTON SMSA (Consists of Greene, Miami, Montgomery and Preble Counties, Chio)											
	All industries, total ²	1,024	381	104,689	722,157	78,327	163,771	503,388	1,297,278	64,528	97,189	912,079		
20	Food and kindred products	96	38	5,605	33,809	3,135	6,691	16,717	74,133	5,004	6,338	61,689		
201 202	Meat products Dairies	16 20	8	1,444	9,272 10,545	1,108 430	2,384 983	6,633 2,474	21,203	1,015 2,834	1,691 1,674	12,974 14,831		
205 208	Bakery products Beverages	17 12	8	1,853 390	10,189 2,345	1,206 139	2,482 280	6,122	20,605 6,042	(Z) 668	2,003 449	25,471 3,802		
23	Apparel and related products	25	7	506	1,634	477	851	1,370	5,513	(Z)	423	1,937		
24	Lumber and wood products	40	12	742	3,618	574	1,208	2,349	8,153	503	607	3,980		
243 25	Millwork and related products.	16 25	10	382	2,094	273	583	1,207 4,459	5,753	(2)	270 977	2,038		
251	Furniture and fixtures Household furniture	13	5	1,171 804	6,291 4,358	865 607	1,746 1,203	3,237	9,157 6,404	(Z)	679	6,876 4,868		
26 264	Paper and allied products Paper and paperboard products.	29 15	23 11	4,645 2,595	29,504 15,793	3,573 1,928	8,115 4,081	20,626 10,213	50,930 28,401	4,567 1,866	(D) 2,254	(D) 18,873		
27	Printing and publishing	132	33	9,709	66,294	7,437	15,552	50,738	109,660	10,282	9,006	87,249		
271 275	Newspapers	21 79	5 17	1,215 6,316	7,224 43,498	656 5,326	1,252 11,267	4,148 35,675	14,991 63,409	(Z) 8,736	1,139 5,013	12,489 45,216		
279 28	Printing trades services	13 42	18	257	1,911	185	379 2,962	1,446 7,755	2,713 47,041	(Z) 2,941	314	2,826		
284	Chemicals and allied products Cleaning and toilet goods	10	3	2,792 418	17,769 2,610	1,461 271	594	1,553	5,533	(Z)	1,430 385	4,789		
285 29	Paints and allied products	9	6	563 281	3,105 1,472	316 141	626 239	1,676	8,961 1,595	(Z) (Z)	488 249	7,635		
30	Rubber and plastics products,			201	1,9472	141	237	371	1,,,,,	(2)	247	,,,,,,		
	n.e.c	33	17	7,738	53,956	6,086	12,481	39,562	97,050	5,817	6,971	71,280		
32 327	Stone, clay and glass products. Concrete and plaster products.	54 31	18 10	2,006 997	13,105 6,808	1,393 611	2,980 1,371	7,713 3,518	30,557 13,717	1,389 1,007	1,820 921	22,935 8,980		
33 332	Primary metal industries Iron and steel foundries	41 16	20 11	2,857 1,850	19,010 12,299	2,420 1,604	5,113 3,393	15,065 10,258	31,129 17,512	1,025 (Z)	2,675 1,602	19,654 10,644		
336	Nonferrous foundries	16	4	586	3,629	464	910	2,481	5,908	(z)	591	4,630		
34 344	Fabricated metal products Structural metal products	120 33	37 13	3,504 912	20,858 4,761	2,802 652	5,966 1,289	14,669 2,849	40,139 10,676	1,717 (Z)	2,492 623	22,078 5,297		
345 347	Screw machine products	17 23	5 4	278 772	1,685	227 739	540	1,222	3,171	(Z)	204	1,666		
349	Metal services, n.e.c Fabricated metal products,				4,585		1,726	4,219	7,397	536		1,999		
35	Machinery, except electrical	13 252	92	434 28,354	2,673	345 22,281	728 45,215	1,928 151,499	5,753 346,411	(Z) 13,362	332 25,526	2,714 257,177		
354 355	Metalworking machinery	135	49	4,456	36,150	3,410	7,730	25,421	53,789	2,611	3,874	39,782		
356	Special industry machinery General industrial machinery	28	18	3,040 2,243	19,151 14,802	2,082 1,512	3,925 3,128	11,519 9,102	39,612 26,628	1,016 727	2,277 2,264	23,260 23,260		
36	Electrical machinery	46	21	22,886	164,748	18,032	38,053	121,705	310,033	11,405	23,087	211,122		
37	Transportation equipment	29	18	7,774	56,712	6,337	13,780	43,216	119,123	5,508	7,180	72,861		
39 398	Miscellaneous manufacturing	26		801	4,639	456	928	2,156	7,401	(Z)	758	4,111		
399 190	Miscellaneous manufactures	16	6	698	4,214	380	779	1,867	6,669	(Z)	459	2,293		
	Administrative and auxiliary	-		2,219	20,201		TOLEDO S		-	-	1,997			
				(Cons	ists of Luc	as and Wood			roe County,	Michigan)				
	All industries, total ²	992	327	71,065	487,303	50,006	102,729	313,086	921,934	42,883	70,838	715,535		
20 201	Food and kindred products Meat products	109 14	44	4,791 354	27,948 2,103	2,790 265	5,738 551	14,097 1,434	69,746 5,661	2,505 (Z)	5,813 650	66,579 4,731		
202 204	Dairies	13 21	10	1,088	6,663 5,456	354 816	779 1,679	1,911 4,118	11,940 27,569	(Z) (Z)	1,252 1,239	11,847 27,158		
205	Bakery products	15	11	839	4,846	482	1,022	2,642	8,129	(Z)	979	8,366		
208 209	Beverages Miscellaneous foods and	10	6	574	3,523	224	469	1,199	6,915	601	548	4,841		
22	kindred products	22	6	677	3,694	370	651	1,498	7,489	(Z) (2)	674	5,869		
23 24	Apparel and related products Lumber and wood products	20 43	9	456 601	1,436 2,783	412 420	631 741	1,204	1,980	(2)	613	1,657 8,787		
25	Furniture and fixtures	20	8	652	4,176	535	1,048	3,083	9,165	(Z)	615	5,266		
251 26	Household furniture Paper and allied products	11 29	3 23	394 3,215	2,491 19,410	339 2,718	689 5,978	1,929 15,753	5,851 32,762	(2) 1,598	372 3,648	2,691		
265	Paperboard containers and boxes	13	12	1,482	8,823	1,212	2,533	6,733	12,637	(2)	(D)	(D)		
27	Printing and publishing	115	16	2,078	13,832	1,164	2,264	7,925	20,264	2,913	2,147	18,565		
275 28	Commercial printing	72 39	6	599 2,034	3,549 12,968	1,085	2,233	2,538 7,059	5,243 35,965	1,070	1,737	5,309		
284	Cleaning and toilet goods	9	4 5	674	3,470	90	173	467	9,341 57,883	(Z) 3,524	219	4,203		
291	Petroleum and coal products Fetroleum refining	17	4	2,052 1,915	17,069 16,064	1,443 1,372	2,786 2,640	11,229 10,784	55,073	3,437	2,272	37,664		

Table 4.--GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958--Continued (See text for explanation of column captions)

			3			1958						
Code	Industry group	Establi num	shments,	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total.	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ¹ (\$1,000)	ees, number	manufac- ture (\$1,000)
				(Cons	ists of Luc		EDO SMSA—Co		roe County,	Michigan)		
30	Rubber and plastics products,											
306 307	Rubber products, n.e.c Plastics products, n.e.c	33 10 23	13 7 6	1,051 631 420	5,236 3,133 2,103	850 502 348	1,700 1,004 696	3,610 2,211 1,399	9,276 4,750 4,526	805 (Z) (Z)	628 (D) (D)	4,4
32 327	Stone, clay and glass products. Concrete and plaster products	65 38	18 3	8,037 317	60,571 2,098	6,854 213	14,207 424	50,706 1,156	158,546 4,477	6,331 (Z)	8,483 379	136,3 3,1
33 332	Primary metal industries Iron and steel foundries	44 11	25 10	4,632 1,416	30,252 8,226	4,053 1,299	8,288 2,510	25,171 7,092	59,059 13,398	1,945 1,000	3,934 1,242	38,5 8,5
34 44 46 47	Fabricated metal products Structural metal products Metal stampings Metal services, n.e.c. Fabricated metal products,	145 37 35 21	51 10 24 6	6,766 907 3,566 373	42,743 5,619 22,903 1,844	5,443 696 2,949 335	11,005 1,403 5,967 631	31,380 3,728 17,246 1,510	69,604 8,735 38,674 2,985	2,208 (Z) 1,260 (Z)	6,284 674 2,785 305	50,6 6,8 22,3 2,2
35 54 55 56 58 59	Machinery, except electrical Metalworking machinery Special industry machinery General industrial machinery. Service industry machines Miscellaneous machinery	11 196 74 19 36 13 39	2 48 25 3 8 6	839 7,616 1,816 278 2,503 607	5,559 51,183 13,277 1,932 17,229 3,508	714 4,728 1,424 217 1,373 385	1,446 9,613 3,052 460 2,710 734	4,566 29,042 9,847 1,383 8,530 1,836	6,932 86,251 21,045 3,306 31,957 6,315	(Z) 3,295 786 (Z) 1,360 (Z)	930 7,797 1,744 179 2,425 497	70,4 13,4 1,5 27,7 4,2
37 71	Transportation equipment Motor vehicles and equipment.	38 28	23 17	480 16,378 15,363	2,822 115,101 109,029	368 13,726 13,042	718 28,858 27,525	1,980 90,958 87,073	5,103 222,121 211,075	(Z) 13,362 13,158	666 (D) (D)	4,5
39	Miscellaneous manufacturing, including ordnance3	34	7	871	3,922	707	1,332	2,564	8,342	(z)	791	6,1
98 99 90	Miscellaneous manufactures	20	4	271	1,555	230	497	1,094	2,732	(Z)	456	3,4
	Administrative and auxiliary4	-	-	5,211	47,393	-	-	- :	-	-	4,203	
					(Cons		OUNGSTOWN-WA	ARREN SMSA Frumbull Cou	nties, Ohio)			
	All industries, total ²	562	215	68,331	472,043	55,351	108,976	356,947	886,389	57,438	76,437	729,3
20 02 05 08	Food and kindred products Dairies Bakery products Beverages	65 14 16 10	26 8 7 6	2,284 728 855 283	11,561 4,192 4,692 1,376	1,263 364 446 116	2,429 792 918 179	5,662 2,087 2,124 445	24,017 10,305 8,290 2,648	649 (Z) (Z) (Z)	2,560 782 1,122 368	21,3 6,9 9,6 2,6
23	Apparel and related products	10	3	459	1,891	415	729	1,211	3,128	(Z)	413	1,
7	Lumber and wood products Printing and publishing	33 59	5 10	252 1,111	835 6,603	206 634	386 1,189	669 3,718	1,673	(z) (z)	288 1,210	1,:
75	Commercial printing Rubber and plastics products,	35	5	310	1,753	237	436	1,245	2,579	(z)	397	3,2
26	n.e.c	12 57 9	5 19 5	1,104 2,085 796	7,536 11,312 4,018	796 1,805 720	1,696 3,640 1,528	5,088 9,126 3,440	12,860 20,294 5,776	(Z) 1,059 (Z)	1,328 2,243 1,035	10,9 19,0 5,1
7 3 1 5	Concrete and plaster products Primary metal industries Steel rolling and finishing Nonferrous rolling and	28 41 21	35 16	323 37,588 29,598	1,738 274,971 217,953	234 32,440 25,501	63,648 48,782	1,193 223,539 178,449	3,108 538,285 432,565	(Z) 41,062 33,413	371 41,362 34,431	3, 409, 351,
	drawing	12 104	12 50	7,156 5,583	51,255 34,912	6,256 4,361	13,528 8,189	40,669 24,380	96,393 69,742	7,305 3,191	6,115 8,331	52,: 81,:
4 6 7 9	Structural metal products Metal stampings. Metal services, n.e.c Fabricated metal products, n.e.c.	60 10 11	24 7 5 6	2,912 681 345	17,598 4,978 2,162	2,249 502 291 810	4,218 1,023 562	12,181 3,082 1,724	35,165 8,291 4,585	1,930 (Z) (Z)	4,232 825 266 1,871	38, 6, 2,
4	Machinery, except electrical Metalworking machinery Ceneral industrial machinery.	82 36 11	23 11 4	5,117 3,269 1,033	38,272 25,082 7,941	3,779 2,644 567	8,093 5,797	26,041 19,158	56,119 34,845	5,679 4,666 551	4,411 2,617 894	42, 27,
	Electrical machinery	20	11	3,774	21,798	3,081	1,169 5,902	3,859	11,999	1,827	4,635	6,7 51,2
	Transportation equipment Administrative and auxiliary4	17	10	4,802 1,061	33,915	3,981	7,957	26,792	50,212	2,186	4,521 746	41,3

⁻ Represents zero. n.e.c. Not elsewhere classified. (D) Withheld to avoid disclosing figures for individual companies.

⁻ Represents zero. n.e.c. Not elsewhere classified. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Covernment owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported <u>separately</u> for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

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1963 CENSUS OF MANUFACTURES



Area series

OKLAHOMA

preliminary report

Value added by manufacturing in 1963 in the State of Oklahoma amounted to \$965 million, an increase of 17 percent from 1962 and 33 percent from 1958. Of this total, \$149 million was contributed by the food and kindred products industries and \$112 million by the petroleum and coal products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1 .-- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments, ber	All emp	oloyees ^l	Pr	oduction worke	rs	Value	Capital	Index of change (1958 = 100)	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963 1962 ⁸ 1961 ⁸ 1960 ⁹ 1959 ⁸	2,544 (NA) (NA) (NA) (NA) 2,366	631 (NA) (NA) (NA) (NA) 572	97,125 r90,896 r90,566 r92,231 r92,356 r92,429	547,995 r479,282 r463,684 r464,487 r464,813 r451,479	62,611 58,724 58,582 58,841 60,104 59,739	127,088 117,298 116,427 119,230 121,627 118,407	293,618 263,342 253,519 252,164 256,041 248,548	965,305 825,927 811,273 801,040 772,876 724,998	63,747 46,489 44,757 65,747 85,121 61,927	105 98 98 100 100	133 114 112 110 107 100

(NA) Not available. *Revised.

*Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

*Includes expenditures for both plants in operation and for plants under construction but not in operation.

*The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

July 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll</u>.--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues,

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours. -- This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages.--This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry. shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

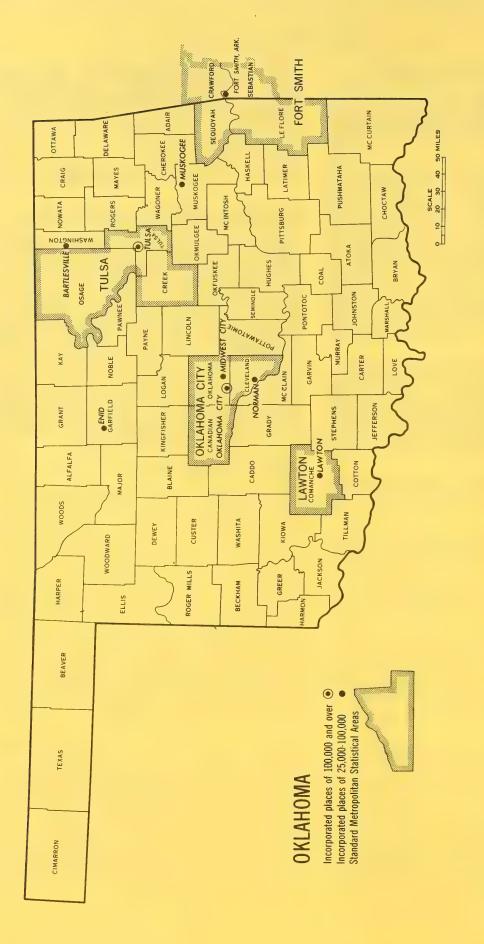


Table 2.--GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

		1958									
State, standard metropolitan statistical areas.	Establishments, number		All employees ²		Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value
and counties 1	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures, new ³	ees, number ²	added by manufac- ture
		ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
OKLAHOMA, TOTAL	2,544	631	97,125	547,995	62,611	127,088	293,618	965,305	63,747	r _{92,429}	724,998
STANDARD METROPOLITAN STATISTICAL AREAS		:									
Fort Smith ⁴ Portion in Arkansas Portion in Oklahoma	232 195 37	90 85 5	12,109 11,695 414	46,896 45,775 1,121	10,068 9,721 347	19,348 18,682 666	34,226 33,328 898	94,231 91,090 3,141	4,533 4,345 (Z)	9,710 9,008 702	60,3 <i>9</i> 2 57,216. 3,176
Lawton ⁵	40	13	965	3,927	668	1,370	2,446	8,082	(Z)	841	6,248
Oklahoma City ⁶	681	166	27,316	153,600	16,281	33,579	75,168	291,739	21,364	18,732	144,084
Tulsa ⁷	687	203	29,716	173,522	19,830	40,120	100,192	284,454	15,333	33,642	252,162
COUNTIES1											
Adair Bryan. Canadian. Carter. Choctaw.	12 21 16 44 22	4 5 3 13 6	423 255 391 1,125 511	795 996 2,412 4,719 1,430	327 182 277 817 452	515 361 567 1,659 892	712 681 1,471 3,168 1,228	1,497 3,084 4,449 10,608 3,351	(Z) (Z) (Z) (Z) (Z)	436 275 368 631 317	1,144 1,598 4,033 4,227 1,012
Cleveland Comanche Creek Custer Garfield	26 40 48 23 63	7 13 11 5	624 965 1,698 394 1,800	2,957 3,927 7,321 1,383 9,384	303 668 1,417 290 1,171	703 1,370 2,825 616 2,455	1,253 2,446 5,528 941 5,776	6,112 8,082 14,507 2,795 31,952	(2) (2) 997 (2) 1,307	412 835 1,557 288 2,203	3,831 6,248 12,118 2,030 26,521
Grady. Kay. Lîncoln. Logan. McCurtain.	42 61 21 16 31	11 16 4 1 9	748 4,821 254 520 1,204	2,792 33,236 1,191 1,735 4,384	650 2,538 205 440 1,106	1,278 5,014 456 912 2,500	2,137 14,792 897 1,331 3,917	6,778 64,642 1,848 3,146 8,292	(Z) 3,031 (Z) (Z) (Z) 780	560 5,210 215 596 1,091	4,637 53,169 1,582 2,691 4,345
Mayes, Muskogee Oklahoma Okmulgee Osage.	18 59 639 36 19	5 25 156 11 3	682 2,871 26,301 2,465 512	5,160 13,096 148,231 15,097 2,087	479 2,130 15,701 2,017 454	1,062 4,233 32,309 4,029 842	3,062 8,328 72,444 11,989 1,683	15,027 27,979 281,178 27,320 4,853	6,047 1,211 20,662 573 (Z)	499 2,526 18,320 2,064 401	10,288 22,315 140,253 19,927 4,144
Payne. Pittsburg. Pontotoc Pottawatomie. Rogers.	33 23 32 37 10	8 6 14 8 3	735 909 1,186 822 273	3,584 3,137 5,186 4,286 1,297	505 737 846 590 211	1,105 1,530 1,704 1,209 394	2,510 2,272 3,306 2,558 868	8,313 7,443 15,414 7,780 4,943	680 (2) (2) (2) (D)	894 932 1,296 2,142 175	9,234 4,928 13,164 19,982 943
Seminole	30 620 31	7 189 9	614 27,506 6,747	2,044 164,014 55,977	539 17,959 1,356	1,034 36,453 2,701	1,624 92,981 6,632	4,100 265,094 16,570	(Z) 14,232 2,238	470 32,075 7,066	2,444 240,044 16,414

⁽D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand.

1 Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

2 Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

3 Includes expenditures for both plants in operation and for plants under construction but not in operation.

4 The Fort Smith Standard Metropolitan Statistical Area consists of Crawford and Sebastian Counties, Ark., and LeFlore and Sequoyah Counties, Okla.

5 The Javton Standard Metropolitan Statistical Area consists of Canadian, Cleveland and Oklahoma Counties, Okla.

7 The Tulsa Standard Metropolitan Statistical Area consists of Creek, Osage, and Tulsa Counties, Okla.

1963 CENSUS OF MANUFACTURES

Table 3.--GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

	Industry group		1958									
Code		Establishments, number		All emp	loyees	Production workers			Value added by manufac-	Capital expend- itures,	All employ- ees,	Value added by manufac-
		Total	or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	ture (\$1,000)	new ¹ (\$1,000)	number	ture (\$1,000)
	All industries, total ²	2,544	631	97,125	547,995	62,611	127,088	293,618	965,305	63,747	r _{92,429}	724,998
20	Food and kindred products	454	156	14,198	66,052	8,598	18,174	34,489	148,586	10,962	15,415	131,901
201 202	Meat products	88	28	3,083	15,880	2,496	5,360	11,090	35,610	3,187	3,977	32,687
202	Dairies	51 26	27 13	2,890 1,012	14,722 2,437	1,143 818	2,421	4,667 1,781	32,950 6,267	1,823 (Z)	3,305 951	31,798
204	Grain mill products	51	22	1,412	7,263	961	2,145	4,556	19,879	1,561	1,671	4,658 20,201
208	Beverages	74	21	1,576	6,371	689	1,423	2,183	16,420	1,207	1,332	9,815
209	Miscellaneous foods and kindred products	70	15	1,286	5,803	776	1,808	3,025	12,816	1,527	1,444	12,571
23	Apparel and related products	73	40	4,709	13,720	4,334	8,184	11,697	25,210	(z)	3,433	15,374
232	Men's and boys' furnishings	15	15	2,372	6,780	2,201	4,142	5,938	11,512	(Z)	1,216	5,128
233	Women's and misses' outerwear		7	600	1,668	559	1,062	1,528	1,991	(Z)	379	1,360
239	Fabricated textiles, n.e.c	29	6	290	959	260	496	766	1,339	(Z)	242	924
24 242	Lumber and wood products	134	21	2,039	6,971	1,779	3,756	5,869	13,321	718	2,096	8,588
243	Sawmills and planing mills Millwork and related products	49 47	8 7	1,179 470	3,904 1,945	1,087 354	2,423 677	3,598 1,339	5,808 3,614	(Z) (Z)	1,261 433	4,590 2,390
25 251	Furniture and fixtures Household furniture	76 47	11 7	1,143 884	4,447 3,172	953 749	1,953 1,572	3,370 2,367	8,323 5,725	(Z) (Z)	1,112 908	6,126 4,915
26	Paper and allied products		7	847	4,936	666	1,501	3,507	13,379	1,352	625	9,144
27	Printing and publishing	453	50	5,899	29,381	3,630	7,234	16,810	57,076	3,809	6,026	46,950
271 275	Newspapers Commercial printing	190 187	23 15	3,590 1,551	17,482 7,826	1,957 1,126	3,791 2,338	9,085 5,097	34,032 13,378	2,662 889	3,679 1,488	28,155 10,649
28	Chemicals and allied products	101	14		7,788		1					
281	Basic chemicals	151	5	1,307 514	4,051	712 258	1,457 552	3,596 1,709	19,297 9,379	(D)	1,185 563	15,695 8,450
287	Agricultural chemicals	11	4	276	949	185	365	614	2,038	(Z)	171	1,144
29 291	Petroleum and coal products Petroleum refining	42 25	20 16	5,627 5,229	36,928 35,269	4,518 4,229	8,873 8,296	29,066 28,026	112,267 109,559	4,463 4,336	6,547 6,136	108,477 106,606
30	Rubber and plastics products, n.e.c.:											
307	Plastics products, n.e.c	21	7	702	3,080	536	1,123	2,049	5,239	(Z)	236	1,507
32	Stone, clay and glass products.	207	49	7,036	36,931	5,657	11,660	27,708	92,087	12,054	6,748	66,649
322 327	Pressed and blown glassware Concrete and plaster products	9 148	7 21	2,365 2,180	11,468 10,604	2,068 1,564	4,100 3,465	8,931 7,277	26,803 28,303	1,249 3,248	2,320 1,920	21,472 19,830
33	Primary metal industries	47	25	3,806	20,615	3,314	6,367	16,258	45,094	3,002	2,940	23,121
332 336	Iron and steel foundries Nonferrous foundries	14 15	11 4	1,035 298	4,694	9 <u>1</u> 3 257	1,607	3,669	7,191	(Z)	853 123	5,024 801
34	Fabricated metal products	232	73	8,214	1,464 46,120	6,230	13,154	1,113	2,685 84,366	(Z) 2,388	7,862	72,344
344	Structural metal products	133	47	6,371	35,797	4,775	10,102	23,142	61,342	1,628	5,699	52,447
347	Metal services, n.e.c	27	6	390	1,756	343	656	1,360	2,700	(Z)	218	1,845
35	Machinery, except electrical	386	88	10,309	57,086	7,538	15,193	36,605	105,958	5,464	9,334	77,190
352 353	Farm machinery and equipment. Construction and like equip-	16	6	369	1,899	290	576	1,247	3,382	(Z)	263	1,644
255	ment	93	33	4,792	27,633	3,552	7,166	18,448	50,775	1,465	5,332	46,428
355 356	Special industry machinery General industrial machinery.	23 47	6 19	466 2,243	2,581 12,823	329 1,508	648 3,031	1,620 7,061	5,048 24,942	(Z) 2,263	603 1,628	3,799 13,433
358	Service industry machines	26	8	854	3,807	681	1,349	2,594	6,933	594	207	1,703
359	Miscellaneous machinery	163	10	1,110	5,481	902	1,788	4,306	9,069	601	1,112	8,634
36	Electrical machinery	53	18	9,409	57,219	4,891	9,628	23,663	106,702	3,536	2,161	19,088
37	Transportation equipment	87	25	7,727	49,151	5,836	11,821	30,544	65,391	7,746	10,162	71,496
371 379	Motor vehicles and equipment. Transportation equipment,	35	10	1,533	7,935	1,265	2,736	5,903	18,662	4,697	716	5,490
39	n.e.c	23	7	577	2,214	501	1,011	1,588	4,588	(Z)	923	4,225
37	including ordnance3	103	8	1,082	4,403	874	1,701	3,290	12,416	(Z)	892	6,025
	Administrative and auxiliary4	-	-	10,117	84,984	-	-	-	-	-	12,562	-

⁻ Represents zero. n.e.c. Not elsewhere classified. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand. The vised.

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The vised is a spenditures for both plants in operation and for plants under construction but not in operation.

The visit is a spenditure of the visit includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

The vides data for privately womed and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.) A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

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1963 CENSUS OF **MANUFACTURES**



Area series

OREGON

preliminary report

Value added by manufacturing in 1963 in the State of Oregon amounted to \$1,570 million, an increase of 7 percent from 1962 and 28 percent from 1958. Of this total, \$691 million was contributed by the lumber and wood products industries and \$236 million by the food and kindred products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. For 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	All emp	loyees ¹	Pr	oduction worke	rs	Value	Capital	Index of	change
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963. 1962 ³ 1961 ³ 1960 ³ 1959 ³ 1958.	4, 243 (NA (NA) (NA) (NA)	1,229 (NA (NA (NA) 1,151	145,936 143,339 140,427 143,229 143,656 133,976	817,366 787,510 743,284 741,178 730,285 648,614	118,103 116,511 114,368 117,667 119,169 110,188	230,492 224,772 217,556 223,173 230,659 209,427	615,676 590,286 556,865 560,948 560,492 499,817	1,569,824 1,469,511 1,366,978 1,348,983 1,441,496 1,222,224	130,582 108,570 113,821 119,785 105,417 123,339	109 107 105 107 107	128 120 112 110 113 100

1 includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)
2 Includes expenditures for both plants in operation and for plants under construction but not in operation.
3 The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues,

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

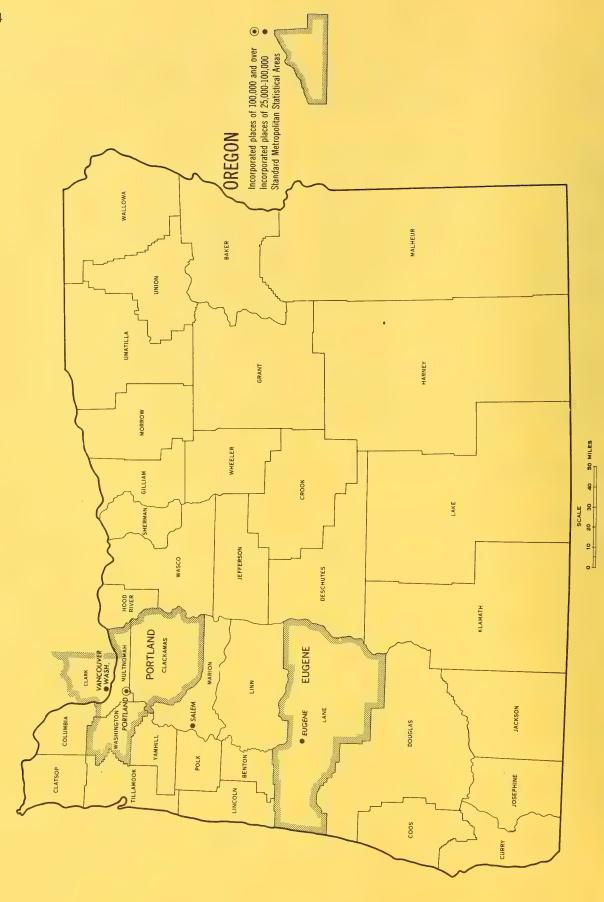
The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



OREGON

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METFOFOLITAN STATISTICAL ASEAS, AND COUNTING: 1 *4 AT 1900

(See text for explanation of column captions)

	1963 1950													
					196	3				19	58			
State, standard metropolitan statistical areas,	Establi .num	shments,	All emp	loyees ²	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by			
and counties 1	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ³ (\$1,000)	ees, number ²	manufac- ture (\$1,000)			
OREGON, TOTAL	4.343	1,229	145,936	817,366	118,103	230,492	615,676	1,500,024	13 ,5 %	133,976	1,222,22-			
STANDARD METROPOLITAN STATISTICAL AREAS														
Eugene ⁴ Portland ⁵ Portion in Washington Fortion in Oregon	505 1,832 141 1,691	144 503 38 465	17,939 66,002 8,843 57,154	98,376 393,660 55,091 338,569	15,346 48,300 7,141 41,159	29,274 93,590 14,035 79,555	80,069 260,612 41,547 219,065	177,887 772,286 130,509 641,777	15.93 ² 49,092 8,811 40,281	14,167 58,334 7,840 50,494	121,121 597,572 100,923 496,649			
COUNTIES1														
Baker. Bentom Clackamas. Clatsop. Columbia	36 112 246 107 90	10 27 54 20 13	766 2,350 6,225 2,409 2,242	4,264 12,964 35,751 11,610 12,682	646 2,087 5,195 2,182 2,006	1,278 4,190 10,229 3,715 3,909	3,491 11,162 27,659 9,888 10,824	6,371 21,604 82,743 25,257 30,985	(2) 2,119 9,558 1,906 2,548	872 2,134 5,235 2,591 1,925	6,944 19,141 58,436 20,381			
Coos. Crook. Curry. Deschutes. Douglas.	208 23 85 66 314	43 g 20 12 72	6,434 1,210 1,947 1,628 8,494	35,401 6,194 10,349 8,813 47,715	5,734 1,108 1,769 1,456 7,521	11,384 2,167 3,540 2,842 14,746	29,782 5,391 9,548 7,576 41,440	69,300 8,705 23,314 13,556 83,366	7,148 (Z) 1,345 1,343 7,822	6,785 1,410 1,682 1,54 8,158	56,239 8,836 15,379 13,352 83,945			
Grant Hood River Jackson Josephine Klamath	25 34 238 123 70	7 8 54 32 25	739 994 5,230 2,578 3,171	4,578 5,693 30,886 14,310 16,885	643 750 4,531 2,323 2,794	1,317 1,442 11,839 4,393 5,023	3.674 3,572 25,637 12,506 14,044	5.239 11,632 60,000 25,917 26,075	895 5,699 2,853 2,560	544 1,123 5,006 2,346 3,771	4,629 1,27 43,090 18,231 29,192			
Lake. Lineoln Linn Linn Malheur	24 505 104 220 29	9 144 16 76 4	626 17,939 2,039 7,567 1,266	3,603 98,376 11,277 41,375 5,106	550 15,346 1,763 6,392 1,160	1,149 29,274 3,446 12,486 2,131	3,187 80,069 9,493 33,855 4,231	6,296 177,887 24,523 80,453 11,642	(Z) 15,93° 8,372 11,330 769	710 14,167 2,449 6,351 864	5,662 121,121 13,822 56,086 8,610			
Marion. Multnomah Polk Tillamook Umatilla	240 1,240 79 91 75	52 363 22 12 19	6,103 42,354 2,832 1,542 2,445	29,875 255,020 14,391 8,058 11,321	5,141 29,908 2,519 1,389 1,949	9,548 58,242 4,539 2,585 3,830	23,464 162,475 12,072 7,046 8,742	67,801 471,249 29,549 14,050 24,758	5,431 26,181 1,571 1,791 949	5,320 40,962 2,698 2,445 2,549	45,424 3 10,212 26,313 19,250 25,682			
Union. Wallowa Wasco. Washington Yamhill	35 31 29 205 124	7 5 9 48 27	777 539 1,078 8,575 2,059	4,039 2,740 6,035 47,798 9,939	684 493 747 6,056 1,669	1,407 1,009 1,398 11,084 3,141	3,467 2,539 3,583 28,931 7,353	6,609 5,057 28,010 37,735 18,528	1,218 (Z) 1,637 4,542 1,544	1,060 602 (1,3 4,297 1,890	7.814 4,130 5,640 47,871 15,625			

⁽Z) Less than \$500 thousand.

1Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

1Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

3Includes expenditures for both plants in operation and for plants under construction but not in operation.

The Eugene Standard Metropolitan Statistical Area is coextensive with Lane County, Oregon.

5The Portland Standard Metropolitan Statistical Area consists of Clackamas, Multnomah, and Washington Counties, Oreg; and Clark County, Wash.

1963 CENSUS OF MANUFACTURES

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

		(See text for explanation of column captions)												
						196	3				19	58		
Code	Industry group		shments,	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value		
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ¹ (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)		
20	All industries, total ²	4,843	1,229	145,936	817,366	118,103	230,492	615,676	1,569,824	130,582	133,976	1,222,224		
20 201 202 203 204 207 208 209	Food and kindred products. Meat products Dairies. Cammed and frozen foods. Crain mill products Candy and related products. Beverages Miscellaneous foods and kindred products.	509 96 90 11.5 48 16 50	172 18 28 65 13 5 8	20,165 1,961 2,507 8,535 941 345 911	99,579 11,617 15,304 33,055 5,374 1,228 5,926	14,929 1,497 1,007 7,687 640 308 400	27,326 2,854 1,962 13,416 1,397 482 789	64,156 8,179 5,669 27,179 3,696 981 2,332	236,197 16,166 30,842 80,501 17,002 3,929 16,970	13,353 1,171 3,376 4,343 1,242 (Z) 1,040	19,555 2,304 3,114 7,889 1,2 ⁶ 6 277 783	199,289 20,778 34,507 63,719 17,409 1,948 9,302		
22	Textile mill products	26	16	2,291	10,180	1,675	3,464	6,075	18,795	(Z)	2,228	8,127		
23 233 239	Apparel and related products Women's and misses' outerwear Fabricated textiles, n.e.c	71 17 41	23 7 11	2,653 789 1,021	10,189 3,267 3,930	2,182 565 831	4,204 1,051 1,624	7,170 1,801 2,730	22,717 6,877 8,072	(Z) (Z) (Z)	2,533 667 940	14,267 3,353 4,737		
24 241 242 243 244 249	Lumber and wood products. Logging camps and contractors Sawmills and planing mills Millwork and related products Wooden containers. Miscellaneous wood products	2,411 1,435 590 268 21 97	621 167 256 162 6 30	71,014 13,015 28,456 27,058 432 2,053	389,219 67,125 156,242 153,528 1,631 10,693	63,875 11,569 25,800 24,412 402 1,692	126,573 24,271 49,422 48,900 773 3,207	338,949 60,251 136,048 133,129 1,437 8,084	691,233 131,129 261,114 273,608 2,289 23,093	67,560 22,220 24,297 17,734 (Z) 3,125	68,019 11,278 32,479 22,109 1,043 1,110	557,156 103,326 245,819 192,768 6,054 9,189		
25 251	Furniture and fixtures Household furniture	102 64	21 18	2,441 2,177	12,796 11,229	2,118 1,904	4,172 3,745	10,166 8,950	21,869 19,325	566 (Z)	1,943 1,602	13,168 10,470		
26 265	Paper and allied products Paperboard containers and boxes	57 13	32	6,781 705	44 , 789	5,611 557	11,466	34,947 3,348	116,901	18,902 (Z)	7,017 849	103,555 9,785		
27 27 1 275	Printing and publishing Newspapers Commercial printing	356 112 178	53 28 13	5,314 3,283 1,206	29,358 17,313 7,258	3,053 1,567 929	5,748 2,957 1,796	16,362 8,148 5,249	55,794 32,083 12,112	2,858 1,247 877	5,303 3,325 1,407	45,119 27,264 11,070		
28 285	Chemicals and allied products Paints and allied products	90 23	24 9	1,544 349	10,094 2,156	926 168	1,861 300	5,347 945	32,512 4,561	4,676 (Z)	1,322 264	19,726 2,415		
29	Petroleum and coal products	17	7	358	2,241	274	560	1,591	7,984	(Z)	279	4,489		
32 327	Stone, clay and glass products. Concrete and plaster products	213 152	29 20	3,093 1,952	18,847 11,814	2,452 1,465	4,923 2,938	14,272 8,430	40,057 26,349	6,416 5,641	2,701 1,696	26,331 17,336		
33 332	Primary metal industries Iron and steel foundries	52 18	24 11	4,509 1,635	30,364 10,196	3,610 1,376	7,217 2,715	23,026 8,462	66,262 16,286	3,037 (Z)	4,214 1,496	65,784 13,582		
34 342 344 349	Fabricated metal products Cutlery, hand tools, hardware Structural metal products Fabricated metal products,	244 25 111	63 8 30	4,955 528 2,844	30,799 2,728 18,807	3,762 378 2,177	7,229 736 4,183	21,144 1,885 12,709	60,691 5,200 34,126	2,864 (Z) 1,182	5,002 368 3,006	46,659 3,682 27,358		
35	Machinery execut electrical	307	8 58	554 5,570	3,074	377	753	2,110	7,307	(Z)	298	3,468		
353 355	Machinery, except electrical Construction and like equipment Special industry machinery	36 52	14 16	1,850 1,603	36,586 12,499 10,941	3,976 1,165 1,141	2,296	23,322 6,737 6,565	64,981 16,785 24,912	2,138 626 588	1,243 1,180	38,390 9,391 13,159		
356 359	General industrial machinery. Miscellaneous machinery	29 129	11	253 1,176	1,713	200	2,264 422 1,798	1,291 5,668	2,861 13,529	(Z) 706	260 886	2,529 8,321		
36 369	Electrical machinery Electrical products, n.e.c	69 15	23 6	6,084 431	34,914 2,489	3,908 301	6,983 566	18,699 1,488	57,159 5,030	3,210 (Z)	2,467 132	28,960 1,314		
37 371	Transportation equipment Motor vehicles and equipment.	96 36	25 12	4,972 1,383	29,584 8,587	4,004 1,061	7,515 1,942	22,411 6,206	49,676 17,251	3,255 1,395	3,849 777	33,851 8,032		
38	Instruments and related products	28	5	918	4,964	684	1,305	3,073	10,942	(Z)	570	4,901		
39 394 398	Miscellaneous manufacturing including ordnance Toys and sporting goods	129 32	22 7	1,513 560	7,008 1,958	1,191 488	2 ,1 45 840	4,729 1,540	11,677 3,318	660 (Z)	995 299	7,531 1,834		
399 190	Miscellaneous manufactures3	73	12	729	3,847	534	971	2,387	6,276	(Z)	557	4,500		
	Administrative and auxiliary4	-	-	1,795	14,861	-	-	-	-	-	1,404	_		

⁻ Represents zero. n.e.c. Not elsewhere classified. (2) Less than \$500 thousand.

Lincludes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Covernment owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishments) served or if it serviced two or more manufacturing establishments are included in the totals for the area.

OREGON

Table 4. - Immeral Statistins for Standard Metropolitan Statistical areas with 40,000 or nore (wantacturing employees: 1065 and 1905

(See text for explanation of column captions)

						196	3				19	58
		Establi num	shments,	All emp	loyees	Pro	auction wor.	kers	Value	Capital	All	Value
îode	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
					'See	ilionnotes	PORTLAN		MSA descript:	ion'		
	All industries, total ²	1,332	503	66,002	393,660	48,300	93,590	260,612	772,236	49, 392	58,334	597,572
20 201 202 203 2 4 2.5 2 2	Food and windred products Nest products Dainies Tainnes Tannes and frugen fulds Orain mill products Bakery [rud.or] Deverages	198 29 22 39 23 33 2.	91 13 10 10 10 10	9,096 1,346 1,182 1,623 615 2,046 852	53,476 8,703 7,582 7,660 3,788 15,524 5,925	5.3cl 984 373 1,413 436 1,597 437	11,254 1,920 779 2,563 983 3,168 810	31,076 5,946 2,316 6,027 2,702 8,929 2,846	133,220 9,169 16,082 19,34c 13,199 39,624 19,460	7,517 723 2,758 639 1,042 968 934	9,216 1,420 1,333 1,906 767 2,354 757	110,009 11,734 17,542 16,452 10,26 33,524 12,414
22	Textile mill products	1.4	11	2,359	10,818	1,736	3,579	6,566	19,945	(Z)	2,344	9,070
23 233 239	Apparel and related products Women's and misses' contenues. Fabricated textiles, n.e.s	63 17 34	24 11	3,075 1,223 1,9	11,831 4,937 3,903	2,538 932 820	4,903 1,773 1,601	8,387 3,043 2,706	25,346 9,574 8,005	(Z) (Z)	2,860 1,072 933	15,589 4,972 4,700
24 241 242 243	Limber and Will product	354 141 109 68	74 11 3. 24	7,674 :22 2,522 3,423	42,127 4,692 12,425 20,774	6,728 794 2,219 3,023	12,991 1,558 4,220 5,898	35,569 4,078 10,681 17,612	6°,825 7,169 21,787 31,987	5,304 1,654 1,760 1,579	7,090 956 2,144 3,198	61,704 6,343 14,985 34,865
25 251	Furniture and fixtures Household furniture	76 4 7	16 13	2,037 1,786	11,158 9,641	1,786 1,584	3,554 3,152	8,870 7,702	19,506 16,953	(Z) (Z)	1,833 1,506	12,715 10,094
2c 264	Paper and allied products Paper and paperboard products.	43 23	24 12	7,099 2,251	46,930 13,565	5,888 1,882	11,834 3,769	36,668 10,401	108,436 19,683	10,232 1,575	7,080 1,936	97,361 12,428
27 271 275	Printing and publishing	203 27 113	32 9 13	3,344 1,713 995	19,274 9,237 6,089	1,947 774 760	3,755 1,516 1,488	10,592 3,879 4,332	35,641 19,053 10,211	1,331 (Z) 740	3,503 1,901 1,192	30,381 17,113 9,531
28 281	Chemicals and allied products Basic hericals	79 13	21 5	1,458 493	9,616 3,512	492 313	1,814 679	5,141 2,026	33,500 15,879	4,187 (D)	1,291 447	22,711 11,828
29	Fetroleum and qual producto	14	6	320	2,076	249	512	1,481	7,744	(Z)	275	4,330
32 327	Stone, clay and glace producto Concrete and plaster producto.	43 50	16 1	1,865 1,026	12,214 6,874	1,492 767	3,000 1,524	9,225 4,769	26,673 13,930	5,284 4,625	1,623 878	17,529 9,891
33 332	Primary metal industries Iron and steel foundries	41 13	23 12	4,124 1,635	28,469 10,270	3,358 1,376	6,568 2,716	22,069 3,531	59,048 16,374	2,865 (Z)	4,331 1,497	60,058 13,563
34 344 349	Fabricated metal products Structural metal products Fabricated metal products,	179 75	54 25	4,335 2,555	27,491 17,370	3,333 1,947	6,385 3,742	19,029 11,610	53,655 31,973	2,601 1,088	4,537 2,758	42,467 25,330
35	n.e.c.	17	c 3~	349	2,180	260	526	1,589	5,111	(Z)	223	3,039
353	Machinery, except electrical Construction and like equipment	25	1.	4,470 1,445	30,082 10,149	3,063 837	6,126 1,665	18,440 4,911	54,330 12,625	1,382 (Z)	3,211 993	31,291 7,067
355 359	Special industry machinery Miscellaneous machinery	35 63	1)	1,469	9,936 5,7e7	1,015	2,060 1,369	5,931 4,449	24,327 10,507	(Z) (Z)	1,048	13,201 5,208
36	Electrical magninery	57	23	5,829	33,241	3,741	6,674	17,791	53,842	3,092	2,479	28,914
37	Transportation equipment	72	19	4,593	27,731	3,667	6,851	20,942	46,531	3,061	3,476	31,475
39 394	Miscellaneous manufacturing, including ordnance ³ Toyo and sporting goods	₹5 21	21 6	1,175 363	5,68C 1,344	899 307	1,608 513	3,662 994	9,117 2,105	(2) (2)	453 204	6,593 1,194
393 399 190	Miscellaneous manufactures ³	43	12	612	3,213	439	799	1,902	5,108	(Z)	513	4,232
190	Administrative and a military4	-	-	1,672	13,448	-	-	-	-	-	1,29~	-

Perpresents zero. 'I Withheld to swild direleging figures for individual companies. n.e.r. Not elsewhere classified. (2) Less than story thousand.

*Thoulades expenditures for both plants in operation and for plants under construction but not in operation.

*The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

*Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

*In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE







preliminary report

Area series

PENNSYLVANIA

Value added by manufacturing in 1963 in the State of Pennsylvania amounted to \$13,969 million, am increase of 6 percent from 1962 and 22 percent from 1958. Of this total, \$2,658 million was contributed by the primary metal industries and \$1,321 million by the food and kindred products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1 .-- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	All emp	loyees ¹	Pr	oduction worke	rs	Value	Capital	Index of (1958 *	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963 1962 ⁸ 1961 ⁸ 1960 ⁹ 1959 ³	19,089 (NA) (NA) (NA) (NA) 19,037	7,761 (NA) (NA) (NA) (NA) (NA) 7,735	1,395,473 1,409,650 1,385,272 1,452,852 1,421,158 1,401,984	8,010,193 7,739,690 7,328,429 7,471,397 7,206,888 6,776,135	1,029,595 1,041,380 1,019,700 1,076,106 1,059,845 1,034,187	2,005,419 2,021,434 1,951,218 2,061,273 2,051,135 1,960,616	5,112,855 4,961,118 4,660,352 4,824,762 4,684,467 4,353,713	13,968,675 13,129,753 12,379,910 12,924,980 12,643,651 11,422,611	793,752 766,627 742,494 842,307 684,828 816,320	100 101 99 104 101	122 115 108 113 111 100

rRevised.

Includes employment and payroil at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

April 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours. --This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

<u>Production workers, wages.--This item consists</u> of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1967: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

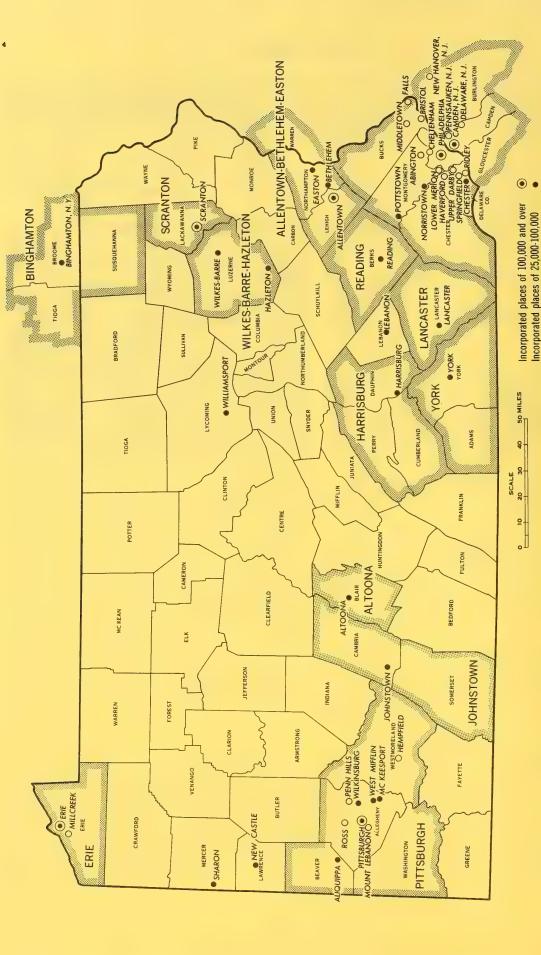
Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

Standard Metropolitan Statistical Areas

Townships of 25,000 and over



Teble 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

	1963									195	
State, standard metropolitan	Establi	shments,	433 omp3	caroos ²		duction work	rong.				
statistical areas, and counties	num	With 20 or more employ-	All empl	Payroll	Number	Man-hours	Wages	Value added by manufac- ture	Capital expend- itures, new	All employ- ees, number ²	Value added by manufac- ture
		ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
PENNSYLVANIA, TOTAL	19,089	7,761	1,395,473	8,010,193	1,029,595	2,005,419	5,112,855	13,968,675	793,752	^r 1,401,984	r _{11,422,611}
STANDARD METROPOLITAN STATISTICAL AREAS											
Allentown-Bethlehem-Easton ⁴ . Portion in New Jersey. Portion in Pennsylvania. Altoone ² . Binghamton ⁶ . Portion in New York. Portion in New York. Portion in Permsylvania. Erie ⁷ . Harrisburg ⁸ . Johnstown ⁹ . Lancaster ¹⁰ . Philadelphia ¹¹ . Portion in New Jersey. Portion in Pennsylvania. Pittsburgh ¹² . Reading ¹³ . Scranton ¹⁴ . Wilkes-Barre-Hazleton ¹⁵ . York ¹⁶ .	1,017 129 888 148 388 332 56 463 453 318 662 8,125 7,010 2,471 669 487	543 67 476 61 153 134 19 179 190 91 287 3,116 391 2,725 877 303 262	94,114 11,065 83,049 11,747 41,697 39,296 2,401 36,415 33,503 23,132 47,893 537,439 75,322 462,117 274,083 49,965 29,137	521,288 62,954 458,334 54,103 258,701 248,260 10,441 219,811 152,505 127,966 256,847 3,320,978 500,438 2,820,540 1,936,555 252,185	70,171 7,994 62,177 9,626 26,099 24,110 1,989 26,252 25,550 18,459 374,723 54,549 320,174 183,454 39,110 24,436	132,081 16,079 116,002 18,586 50,676 46,802 3,874 52,316 49,076 32,908 71,595 745,962 109,977 635,985 356,663 76,271 44,444	325,375 40,217 285,158 40,380 125,140 117,629 7,511 141,852 109,337 94,180 159,701 1,994,730 311,409 11,633,321 1,133,230 171,753 88,715	817,257 106,443 710,814 114,060 339,667 324,535 15,132 410,065 353,311 204,435 525,881 5,987,310 884,703 5,102,607 2,890,300 420,369 186,579	55,182 7,826 47,356 7,650 19,821 19,287 534 18,202 13,108 19,646 28,779 297,576 50,533 247,043 201,557 23,391	93,923 10,417 83,506 10,400 46,068 43,778 2,290 34,858 33,543 23,648 44,030 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460 1,72,460	683,803 85,656 598,147 83,773 310,640 299,777 10,863 308,019 262,480 167,178 367,964 4,826,261 696,157 4,130,104 2,622,340 341,515 159,779
Wilkes-Barre-Hazleton ¹⁵ York ¹⁶	762 717	397 357	29,137 43,829 48,252	165,014 221,976	37,670 39,532	69,286 79,923	126,868 162,414	312,116 441,124	13,366 19,433	38,675 ^r 48,053	207,590 363,397
COUNTIES1			P 49.1	06.000	6.000	12 000	20,750	48,716	2,282	6,792	39,969
Adams, Allegheny Armstrong, Beaver, Berks,	113 1,676 77 183 669	54 577 26 78 303	42,931	26,077 1,296,084 33,444 287,215 252,185	6,293 106,630 4,430 34,141 39,110	12,707 207,376 8,753 65,316 76,271	20,750 666,084 26,283 216,021 171,753	1,740,602 57,784 523,163 420,369	118,687 3,109 30,177 23,391	203,935 5,799 44,621 ^r 48,429	1,677,268 1,677,268 1,677,268 1,677,268 26,446 435,820 341,515
Blair. Bradford. Bucks. Butler. Cambria.	148 82 577 157 190	61 32 204 55 54	4,848 34,811 11,478	54,103 24,625 216,273 74,929 116,538	9,626 3,595 26,024 9,397 14,974	18,586 7,049 51,517 18,688 27,039	40,380 16,236 144,818 57,194 84,896	114,060° 51,074 515,081 176,129 187,120	7,650 2,145 19,356 9,039 18,552	10,400 5,140 27,691 9,569 20,630	83,773 39,456 346,105 91,836 153,372
Carbon. Centre. Chester. Clarion. Clearfield.	110 92 343 65 138	4 30 148 17 39	4,237 25,557 2,913	30,006 21,013 155,078 15,109 20,494	7,335 3,432 18,884 2,412 3,939	12,973 7,214 37,331 4,782 7,350	23,281 15,506 103,302 11,388 15,898	52,802 40,663 330,046 29,368 40,152	5,273 2,205 14,144 1,023 1,805	7,500 3,597 24,101 2,188 5,687	39,906 31,465 207,465 22,272 40,144
Clinton Columbia Crawford Cumberland Dauphine	52 124 158 153 250	24 58 50 67 111	8,287 8,201	33,018 32,928 42,608 48,607 101,088	5,517 7,196 6,126 8,223 16,467	11,741 14,519 11,850 16,604 30,997	26,011 25,300 29,499 32,942 74,137	56,443 60,810 76,009 110,333 238,066	2,685 4,200 3,914 4,955 7,791	5,705 8,805 8,483 8,429 24,293	47,278 55,154 71,385 71,707 187,088
Delaware. Eik. Erie Fayette Forrest.	468 77 463 177 11	22	6,949 36,415 7,514	368,182 37,944 219,881 34,096 2,329	35,182 5,494 26,252 6,123 444	11,326 52,316	215,019 26,565 141,852 25,263 1,934	534,345 66,059 410,065 67,410 4,922	5,406 18,202 4,151	47,584 6,959 34,858 7,015 682	445,198 58,174 308,019 52,829 4,892
Franklin, Fulton. Greene Huntingdon. Indiana.	132 22 30 66 82	2 9 17	464 665 3,052	47,665 1,261 2,049 12,419 19,001	8,867 429 560 2,669 3,211	17,413 806 1,016 5,118 6,248	34,869 1,217 1,638 10,241 12,496	92,025 2,029 3,734 19,990 44,643	(Z) (Z) 1,200	345 580	47,391 916 2,677 18,837 24,026
Jefferson, Juniata, Lackawanna, Lancaster, Lawaster,	93 47 487 662 138	262 287	1,010 29,137 47,893	256,847	35,751	1,686 44,444 71,595	17,741 2,561 88,715 159,701 52,237	4,371	(Z) 9,990 28,779	44,030	2,925 159,779 367,964
Lebanon Lehigh, Luzerne Lycoming, MrKean,	202 471 762 208 136	233 397 100	40,286 43,829 17,977	59,715 229,461 165,014 84,469 36,925	11,221 27,791 37,670 14,382 5,550	69,286	45,169 122,605 126,868 60,178 25,243	303,720 312,116 178,610	16,000 13,366 8,482	16,508	243,708 207,590
Mercer. Mifflin. Monroe. Montgomery. Montour.	160 60 92 1,085	24 46 452	6,135 4,653 81,262	513,346	15,149 5,097 3,825 54,275 2,055	10,126 7,019 109,392	98,401 24,948 14,963 294,481 8,688	199,388 53,123 33,371 970,757 19,987	2,810 1,844 57,083	5,863 3,864	220,978 58,618 25,647 575,828 17,072
Northampton Northumberland Perry, Philadelphia Potter	417 190 50 4,537 58	97 12 1,766	14,742 979 266,914	2,808 1,567,661	12,599 860 185,809	23,801 1,475 366,851	162,553 46,101 2,258 925,701 2,767	2,752,378	4,972 (Z) 122,055	49,313 13,523 821 300,739 894	107,933 3,685 2,555,508

1963 CENSUS OF MANUFACTURES

Table 2.--GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958--Continued

(See text for explanation of column captions)

					196	3				19	58
State, standard metropolitan statistical areas,	Establi num	shments, ber	All emp	loyees ²	Pro	duction wor	kers	Value	Capital	All	Value
and counties	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
COUNTIES1Continued											
Schuylkill Snyder Somerset Sullivan Susquehanna	340 67 128 33 56	192 32 37 8 19	21,461 2,295 3,863 606 2,401	76,675 7,747 11,428 1,781 10,441	18,585 2,017 3,485 553 1,989	33,487 3,787 5,869 1,061 3,874	59,301 6,431 9,284 1,525 7,511	133,308 12,788 17,315 2,592 15,132	14,030 653 1,094 (Z) 534	19,030 1,955 3,018 518 2,290	93,298 7,192 13,806 1,953 10,863
Tioga. Union. Venango. Warren. Washington.	46 32 105 99 208	16 12 32 41 77	2,553 1,579 6,132 4,989 16,830	12,804 6,115 36,209 29,171 101,180	2,224 1,338 4,720 3,753 13,524	4,318 2,599 9,766 7,744 26,021	10,484 4,639 26,540 20,878 75,784	30,047 12,525 65,408 44,927 180,568	1,236 517 4,083 3,421 12,394	2,978 1,470 6,975 4,722 17,349	22,935 7,804 58,891 37,033 159,336
Wayne Westmoreland. Wyoming. York.	82 404 43 604	19 145 15 303	2,325 38,885 1,052 41,138	8,073 252,076 3,273 195,899	2,074 29,159 887 33,241	3,713 57,950 1,568 67,220	5,905 175,341 2,569 141,678	13,177 445,967 4,621 392,461	612 40,299 (Z) 17,153	2,314 39,847 925 41,261	11,417 349,916 3,661 323,428

Zose than \$500 thousand. Revised.

2 Less than \$500 thousand. Revised.

2 Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

2 Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

3 Includes expenditures for plants under construction but not in operation.

4 The Allentown-Bethlehem-Easton Standard Metropolitan Statistical Area is coextensive with Blair County, Pa.

5 The Altoons Standard Metropolitan Statistical Area is coextensive with Blair County, Pa.

6 The Binghanton Standard Metropolitan Statistical Area is coextensive with Englar County, Pa.

7 The Eric Standard Metropolitan Statistical Area consists of County, Pa.

9 The Johnstown Standard Metropolitan Statistical Area consists of Comberland, Dauphin and Perry Counties, Pa.

9 The Johnstown Standard Metropolitan Statistical Area consists of Cumberland, Dauphin and Perry Counties, Pa.

10 The Lancaster Standard Metropolitan Statistical Area consists of Daucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pa., and Burlington, Canden, and Gloucester Counties, N.J.

12 The Philadelphia Standard Metropolitan Statistical Area consists of Allegheny, Beaver, Washington, and Westmoreland Counties, Pa.

13 The Reading Standard Metropolitan Statistical Area is coextensive with Berks County, Pa.

14 The Scranton Standard Metropolitan Statistical Area is coextensive with Luzerne County, Pa.

15 The Wilkes-Barre-Hazleton Standard Metropolitan Statistical Area is coextensive with Luzerne County, Pa.

16 The York Standard Metropolitan Standard Metropolitan Statistical Area is coextensive with Luzerne County, Pa.

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

				(See text	for explana	tion of col	umn caption	s)				
						196	3				19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital	All employ-	Value added by
Code	made of Proch	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures,	ees,	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total ²	19,089	7,761	1,395,473	8,010,193	1,029,595	2,005,419	5,112,855	13,968,675	793,752	r _{1,401,984}	fi1,422,611
20 201 202 203 204 207 208 209	Food and kindred products	610 144	923 131 246 68 40 58 110	106,029 13,158 21,143 9,910 3,430 11,354 12,472 6,237 9,550	550,399 70,437 116,171 40,118 17,865 49,588 74,028 30,185 32,174	68,313 9,927 8,739 8,502 2,249 9,571 6,958 4,300 8,728	140,404 20,899 18,046 16,802 5,184 18,825 13,824 8,813 16,574	318,533 49,014 42,260 30,648 11,168 38,153 38,327 17,599 27,116	1,321,387 119,951 253,639 156,794 64,126 148,282 179,357 75,840	67,533 5,445 13,951 6,801 4,281 5,532 11,995 4,975	114,738 14,082 24,515 10,382 3,014 12,888 13,673 5,662 13,079	r1,085,191 111,670 223,865 99,279 45,095 125,553 r156,365 55,648 89,909
212 214	Cigars	58 14	32 11	8,712 682	28,674 2,485	7,990 622	15,109	24,757 1,949	93,063 4,516	1,112 (Z)	12,165	81,282 5,878
22 221 222 223 224 225 226 227 228 229	Textile mill products. Weaving mills, cotton. Weaving mills, synthetics. Weaving, finishing mills, wool Narrow fabric mills. Knitting mills. Textile finishing, except wool Floor covering mills. Yarn and thread mills. Miscellaneous textile goods.	66 387 56 36 86	548 12 59 26 40 256 32 18 68 37	66,999 1,062 8,312 2,790 4,448 31,081 2,790 4,873 7,373 4,270	269,710 4,860 34,546 12,990 16,180 116,341 13,417 23,783 27,182 20,411	59,463 981 7,723 2,430 4,007 27,488 2,378 4,219 6,817 3,420	115,256 2,046 16,043 4,783 7,744 51,469 5,145 8,522 12,707 6,797	211,848 4,061 29,595 10,151 12,858 90,252 10,358 18,152 22,583 13,838	477,368 9,732 56,827 20,216 26,053 196,572 31,664 54,720 44,677 36,907	26,402 (Z) 1,749 (D) 1,050 15,217 921 2,211 3,143 1,135	76,361 1,640 9,507 3,836 4,606 34,303 3,188 5,945 8,331 5,005	425,505 7,115 52,897 22,718 24,171 172,120 20,993 47,998 45,445 32,048

PENNSYLVANIA

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958—Continued

(See text for explanation of column captions)

						196	3				19	58
Code	Industry group		shments,	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures, new1	ees, number	manufac- ture
_			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
23 231	Apparel and related products Men's and boys' suits and	2,298	1,607	173,128	553,511	158,961	278,314	467,058	863,365	16,848	158,544	652,132
232 233 234	coats Men's and boys' furnishings Women's and misses' outerwear Women's and children's	171 312 987	121 237 807	27,906 34,662 63,412	113,817 107,606 181,558	25,459 32,384 58,645	46,913 57,288 98,621	95,936 93,778 155,299	167,911 169,758 279,119	1,566 2,735 8,078	25,792 34,673 47,956	134,793 137,305 170,656
236 238 239	underwear	132 193 95 338	112 154 51 102	15,119 15,468 4,699 8,678	45,559 48,012 14,289 28,956	13,998 14,018 4,310 7,458	24,305 24,599 7,488 14,154	38,207 40,216 11,763 21,786	71,625 80,118 22,232 52,987	1,302 1,002 (Z) 1,381	17,044 16,802 4,543 7,709	63,433 64,520 19,416 40,605
24 241	Lumber and wood products Logging camps and	1,450	166	13,184	48,758	10,947	21,303	36,994	89,260	7,910	12,251	65,706
242 243	contractors	265 790	56	904 5,634	2,033 16,800	806 4,808	1,530 9,159	1,835 14,050	3,868 29,492	900 3,830	710 5,089	3,117 20,551
244 249	products Wooden containers Miscellaneous wood products	188 42 165	59 13 34	3,689 726 2,231	18,865 2,934 8,126	2,784 620 1,929	5,601 1,210 3,803	12,360 2,213 6,536	38,638 4,363 12,899	2,415 (Z) (Z)	3,358 868 2,226	26,085 4,233 11,720
25 251 254 259	Furniture and fixtures	600 367 119	215 144 34	23,422 14,013 3,486	109,469 59,939 21,699	19,629 11,916 2,832	40,072 24,169 6,225	83,931 46,259 16,635	184,143 99,965 37,821	5,560 3,563 918	22,902 15,408 2,598	154,442 96,862 21,046
	Furniture and fixtures,	54	11	1,621	6,406	1,309	2,472	4,776	10,726	(Z)	1,326	10,284
26 262 263 264	Paper and allied products Paper mills, except building. Paperboard mills Paper and paperboard	425 26 18	289 25 17	40,463 8,957 2,507	237,307 63,677 18,172	32,277 7,187 2,011	68,249 16,516 4,792	171,304 48,627 13,606	481,712 115,696 34,173	34,283 11,685 3,219	38,233 9,434 2,594	380,832 100,367 33,349
265	products Paperboard containers	151	85	10,689	59,542	8,573	17,202	42,677	164,233	6,816	9,076	114,175
27	and boxes	2,054	154 468	17,124 63,216	89,540 373,774	13,462 41,355	27,700 80,322	61,038 237,846	154,983 672,583	12,018 25,918	15,866 64,279	122,365 548,607
271 272	Newspapers	363 113	127 20	20,344	121,955 38,673	10,748	20,284	65,994 12,696	198,869 133,028	8,590 931	20,696 7,098	163,598 106,695
273 274	Books	81 52	27	3,836 490	21,908	2,671 217	5,604 404	14,121	46,382 3,439	1,254 (Z)	4,047	36,620 5,150
275	Commercial printing	1,157	185	23,407	140,414	18,797	36,540	106,953	214,873	11,992	24,645	180,841
276 277	Manifold business forms Greeting card manufacturing.	30 12	17 7	1,459	8,571 1,664	1,173 378	2,448 771	6,143 1,246	20,358 2,408	1,059 (Z)	1,193 404	11,715 2,243
278 279	Bookbinding and related work. Printing trades services	85 161	32 45	2,440 4,057	11,704 26,873	2,122 3,219	4,056 6,335	8,828 21,036	17,552 35,674	1,009 977	1,911 3,646	10,983 30,762
28	Chemicals and allied products	696 121	251 58	46,598	304,042	28,948 5,873	57,490	159,260	963,395	62,749	43,923 9,153	723,875 120,607
281 283	Basic chemicals Drugs	89	34	8,461 10,902	54,680 79,813	5,756	12,064 11,058	35,765 31,822	164,841 423,537	20,899 20,347	9,152	302,777
284 285	Cleaning and toilet goods Paints and allied products	142 91	32 43	2,978 4,649	16,337 30,654	1,825 2,403	3,605 4,898	7,862 13,482	48,738 68,276	1,557 4,373	3,273 5,108	56,489 55,601
289	Miscellaneous chemical products	156	46	5,306	30,951	3,549	6,917	16,557	62,980	3,171	4,727	46,709
29 291	Petroleum and coal products Petroleum refining	146 23	48 16	14,082 11,393	102,854 84,995	10,538 8,862	21,652 17,970	71,289 61,935	203,690 164,686	25,821 24,370	16,741 14,112	162,352 128,768
295 299	Paving and roofing materials. Petroleum and coal products,	80	14	1,334	7,362	952 724	2,130	5,031	18,071	949	1,372	16,067
30	Rubber and plastics products,			1,355	10,497		1,552	4,293	20,933		1,257	17,517
301	Tires and inner tubes	294 12 63	135 8 35	22,659 5,543 7,133	128,412 40,934 40,781	18,352 4,525	36,515 9,264 10,933	94,660 32,014 28,280	261,603 101,358	15,102 4,376	20,068 5,352 5,594	203,820 91,995 44,772
306 307	Rubber products, n.e.c Plastic products, n.e.c	214	87	8,540	42,028	5,482 6,980	13,767	30,175	80,633 71,888	2,801 7,714	8,320	63,729
31 311	Leather and leather products Leather tanning and	264	186	32,085	111,429	29,501	55,414	93,721	172,197	2,971	32,315	152,615
314	finishing Footwear, except rubber	25 141	20 121	2,726 25,336	13,408 84,359	2,333 23,640	4,519 44,265	10,744 72,260	19,762 129,915	(Z) 2,344	4,330 23,639	27,102 103,282
316 317	Luggage Purses and small leather	21	11	861	2,760	737	1,248	2,286	5,321	(Z)	766	3,985
319	goods Leather goods, n.e.c	25 19	18	1,801 335	5,680 1,443	1,631 263	3,083 581	4,478 953	8,833 2,355	(Z) (Z)	1,923 299	8,692 1,760
32 32 2	Stone, clay and glass products. Pressed and blown glassware	1,114 37	398 30	58,207 13,776	327,389 70,909	48,266 12,269	95,264 23,473	252,905 59,833	638,549 133,840	45,937 7,390	62,727 14,698	593,401 119,586
323 324	Products of purchased glass Cement, hydraulic	88 27	21 24	2,849 4,867	15,649 31,907	2,360 4,101	4,608 7,922	12,080 24,619	33,931 85,456	1,327	3,291 6,455	29,196 101,644
325 326	Structural clay products Pottery and related products.	101	85 21	7,706 5,060	41,945 26,300	6,548	12,722 8,399	32,880 20,476	76,668 42,992	9,041 4,175 1,120	8,521 4,810	65,997 31,344
327 329	Concrete and plaster products	564 186	120 79	9,026	46,912	6,786	14,218	32,722 39,767	101,469 108,909	12,405 6,346	8,810 10,602	85,136 103,768
33	Nonmetallic mineral products. Primary metal industries	615	375	9,400 209,343	56,397 1,457,543	7,267	14,638 328,086	1,106,766	2,657,808	231,394	226,865	2,237,754
331 332	Steel rolling and finishing Iron and steel foundries	142 166	121 124	161,482 22,148	1,157,704	131,008 18,912	249,978 36,677	885,946 107,953	2,153,551 202,758	199,961 7,809	176,350 21,750	1,840,397 149,371
334 335	Secondary nonferrous metals Nonferrous rolling and	40	15	1,662	9,851	1,203	2,472	6,195	21,446	724	1,519	21,458
339	drawing Primary metal industries,	43	33	10,836	72,597	8,054	17,479	48,750	136,720	18,335	13,863	120,038
	n.e.c	77	33	4,079	25,814	3,265	6,594	18,820	44,293	1,590	5,191	41,953

1963 CENSUS OF MANUFACTURES

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958—Continued

(See text for explanation of column captions)

						196	i3				19	58
Code	Industry group	Establi num	shments,	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
	industry stody	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
34 341	Fabricated metal products Metal cans	1,763 15	725 15	105,762 4,395	632,730 29,268	81,881 3,928	163,403 8,592	448,061 25,303	1,095,254 55,451	45,614 6,196	115,169 4,368	1,012,224 41,692
342	Cutlery, hand tools,	125	69	6,402	32,674	5,269	10,368	24,064	59,147	2,051	7,691	55,691
343	Plumbing and heating, except electric	101	49	7,248	43,822	5,491	10,646	29,343	93,120	2,897	7,656	78,686
344 345	Structural metal products Screw machine products	744 132	276 43	38,538 7,288	232,462 44,780	28,797 5,684	56,024 12,181	157,044 32,988	353,851 75,611	14,173 2,099	46,680 7,660	403,579 67,566
346	Metal stampings	132	65	14,599	93,373	12,005	24,168	72,273	164,544	7,263	15,142	125,112
347 348	Metal services, n.e.c Fabricated wire products,	180	38	3,288	16,489	2,653	5,361	12,028	28,450	1,445	2,501	18,254
349	n.e.c Fabricated metal products,	105	45	5,962	32,237	4,791	9,819	23,875	60,990	2,685	6,666	56,830
	n.e.c	229	1.25	18,042	107,626	13,263	26,244	71,143	204,090	6,805	16,805	164,814
35 353	Machinery, except electrical Construction and like	1,938	566	111,726	726,770	77,759	158,056	454,317	1,240,858	66,834	112,147	1,019,519
354	equipment Metalworking machinery	141 453	74 119	14,128 18,570	91,873 120,440	8,811 14,463	18,009	52,537 86,739	174,191 199,151	5,581 11,269	15,374 17,874	162,225 152,088
355	Special industry machinery	225	92	15,461	98,047	11,018	29,357 22,749	61,860	147 149	6,837	16,076	109,184
356	General industrial machinery	297	103	21,104	138,804	14,128	28,465	82,366	248,616 59,060 127,765	9,534	20,727	180.023
357	Office machines, n.e.c	33	12	4,713	30,485	3,108	6,381 13,891	16,614	59,060	944	3,311 7,427	21,330 55,534
358 359	Service industry machines Miscellaneous machinery	123 622	44 99	10,724 8,019	63,204 44,597	7,041 6,534	13,891	36,081 33,813	72,391	7,084 3,692	7,427 6,980	55,534
36 361	Electrical machinery	623	343	109,307	657,520	78,373	155,613	404,180	1,207,524	59,575	96,240	927,521
362	products	74	37	25,048	178,206	16,621	33,510	105,376	271,659	8,230	25,951	310,045
363	apparatus Household appliances	83 27	47 14	13,083 4,431	81,523 24,372	9,028 3,467	18,641 6,657	49,191 15,284	175,472 55,955	7,537 1,793	11,148 5,196	110,304 49,320
364 365	Lighting and wiring devices. Radio and TV receiving	155	95	13,338	64,275	10,919	21,987	46,243	165,770	5,414	12,396	130,647
366	equipment	22 65	10 38	4,000 12,444	19,893 84,998	3,426	6,583	15,700	38,108	1,026 6,197	5,397	39,407 36,068
367	Electronic components	138	76	31,497	173,019	7,467 22,983	15,353 44,788	45,431 106,215	118,431 317,737	27,327	4,681 27,081	210,153
369	Electrical products, n.e.c	59	26	5,466	31,234	4,112	8,094	20,740	64,392	2,051	4,390	41,577
37 371	Transportation equipment Motor vehicles and	281	145	65,436	460,629	44,149	89,268	271,484	727,471	30,313	54,626	515,312
372	equipment	139 44	69 29	18,567 26,130	127,192 200,253	14,795 13,030	30,401 27,695	94,634 80,703	230,317 280,688	10,459 12,639	19,001 16,572	190,425 178,505
373 379	Ship and boat building Transportation equipment,	29	12	5,660	36,223	4,693	9,463	27,748	42,602	965	5,040	35,501
	n.e.c	45	21	2,004	9,460	1,708	3,276	7,144	18,683	1,241	784	5,697
38	Instruments and related products	267	114	24,600	151,722	17,414	34,822	93,678	311,015	9,886	23,264	207,697
381	Scientific instruments	44	20	1,650	9,689 87,741	1,249	34,822 2,484	6,205	18,291	547	2,014	16,420
382 384	Mechanical measuring devices Medical instruments and	55	31	13,289		8,885	17,866	52,056	177,611	6,057	13,282	121,626
385	SuppliesOpthalmic goods	91 30	34	5,560 1,170	30,236 5,866	4,122 874	8,152 1,777	18,776 4,059	76,160	1,808 (Z)	4,873 867	49,137 6,022
386	Photographic equipment	20	10	420	5,866 2,089	300	602	1,233	9,890 4,102	(Z)	355	2,993
39	Miscellaneous manufacturing,											
391	including ordnance ³ Jewelry and silverware	709 77	214 8	30,660 539	145,273 2,574	25,181 397	49,342 783	94,604 1,770	298,518 5,291	11,736 (Z)	33,075 509	264,147 4,052
393	Musical instruments and parts	13	7	823	3,668	746	1,459	3,046	6,578	(z)	777	5,380
394 395	Toys and sporting goods Pens, pencils and office	132	58	8,304	30,995	7,319	13,575	24,006	55,822	3,488	6,822	42,144
396	supplies	56 39	16 15	2,219 2,403	11,308 11,151	1,658 1,724	3,285 3,369	7,145 6,917	21,289 16,519	604 559	2,203 2,750	16,082 18,336
398							, i					
399 190	Miscellaneous manufactures ³ .	392	110	16,372	85,577	13,337	26,871	51,720	193,019	6,359	20,014	178,153
	Administrative and auxiliary4.	-	-	69,017	628,778	-	-	-	-	-	r _{64,437}	-

⁻ Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand. Revised.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) to avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at different general location from the manufacturing establishments (s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishments at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

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Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

(See text for explanation of column captions)

		1963												
						196	2				19	128		
Code	Industry group		shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by		
			With 20 or more						manufac- ture	itures,	ees,	manufac- ture		
		Total	employ- ees	Number	(\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	(\$1,000)	(\$1,000)	is diamoca.	(\$1,000)		
			663		(41,000)	ALLENTO		EASTON SMSA		(42)000)		(42)0007		
				(Consis	sts of Lehig				nd Warren Co	ounty, N.J.)				
	All industries, total ²	1,017	543	94,114	521,288	70,171	132,081	325,375	817,257	55,182	93,923	683,803		
20	Food and kindred products	123	40	5,589	31,767	3,421	7,066	16,607	71,369	3,946	5,164	46,387		
201	Meat products	15 19	1 5	589 1,110	3,436 6,694	411 550	811 1,157	2,193 2,988	5,149 13,420	(Z) 1,192	660 1,11 0	4,220 9,203		
204 205	Grain mill products	11 31	4 11	337	1,880 5,400	233 708	561	1,059	6,805	549	261	2,552		
208	Bakery products	20	10	1,085 635	3,598	336	1,483 709	3,157 1,692	10,131 9,213	(Z) (Z)	1,023 616	7,382 6,204		
209	Miscellaneous foods and kindred products	16	4	611	2,958	31.2	628	1,269	5,520	(z)	479	4,702		
22	Textile mill products	91	63	6,417	28,115	5,623	11,525	22,423	53,086	1,637	6,918	39,404		
222 225	Weaving mills, synthetics Knitting mills	1,5 39	1.3 26	884 3,102	3,500 12,568	812 2,654	1,561 ° 5,354	2,966 9,585	4,671 25,199	(Z) 756	1,305 3,198	6,319 17,895		
226	Textile finishing, except			,										
228	Yarn and thread mills	1.3 6	10 4	1,209 382	6,338 1,533	1,079 352	2,544 589	5,545 1,145	11,591 2,543	(Z) (Z)	1,115 493	6,714 2,434		
23 231	Apparel and related products Men's and boys' suits and	273	212	19,941	61,817	18,475	31,288	52,729	93,345	1,319	17,654	64,789		
	coats	9	5	1,931	8,092	1,694	3,063	6,038	12,587	(z)	1,765	8,640		
232 233	Men's and boys' furnishings Women's and misses' outerwear	36 159	27 132	4,068 9,027	13,039 26,201	3,743 8,517	5,955 14,440	10,806 23,932	16,737 37,602	(Z) 745	3,302 7,097	10,982 21,748		
234	Women's and children's underwear	. 23	20	1,653	5,102	1,548	2,565	4,256	9,323	(Z)	2,494	9,847		
238 239	Miscellaneous apparel	9	8	739	1,909	697	1,183	1,657	3,046	(Z)	812	2,833		
25	Fabricated textiles, n.e.c Furniture and fixtures	13 24	5	1,241 509	3,930 2,099	1,106 442	2,224	3,075	9,436	(Z) (Z)	886	5,687		
26	Paper and allied products	23	13	2,524	14,993	1,652	3,415	1,701 8,304	3,256 23,829	2,722	524 2,861	3,303 17,308		
27	Printing and publishing	89	24	3,318	18,551	1,946	3,928	10,287	28,897	1,419	2,535	20,307		
271	Newspapers	16	5	1,231	7,507	451	900	2,737	13,600	(Z)	824	7,678		
275	Commercial printing	49	15	1,681	9,110	1,314	2,679	6,631	13,072	980	1,492	10,016		
28 281	Chemicals and allied products Basic chemicals	38 18	19 11	2,369 1,750	14,119	1,550 1,114	3,218 2,297	8,282 6,065	31,106 19,554	3,513 1,584	2,392 1,708	24,724 16,129		
31	Leather and leather products	11	10	1,256	4,919	1,171	2,328	4,211	8,414	(Z)	1,117	5,133		
32	Stone, clay and glass products.	80	37	4,610	27,121	3,894	7,597	21,323	61,355	5,176	5,549	72,967		
324 327	Comerete and plaster products.	15 33	15 7	3,207 428	20,415	2,708 343	5,198 684	16,009 1,597	50,640 3,955	3, 798	4,069 411	62,263		
34	Fabricated metal products	80	32	5,242	29,903	4,036	7,893	21,237	42,399	1,354	5,889	54,909		
344 349	Structural metal products Fabricated metal products,	39	10	2,585	16,009	1,914	3,619	10,878	16,191	(Z)	3,134	33,903		
	n.e.c	7	5	1,239	6,681	1,019	1,972	5,137	10,880	(Z)	1,053	7,511		
35 355	Machinery, except electrical Special industry machinery	66 12	26 6	6,265 572	39,329 3,645	3,682 427	7,304 887	20,662 2,501	43,177 5,096	2,154 (Z)	5,803 996	43,513 3,780		
36	Electrical machinery	28	20	8,951	47,735	7,078	13,480	32,780	87,567	8,498	6,459	61,217		
	Administrative and auxiliary	-	-	5,292	54,488	-	-	-	-	-	5,588	-		
					10		LANCASTER S		D. 1					
	422 4 2 4 4 4 4 2 2							ter County,		00.000	11 000	265 264		
00	All industries, total ²	662	287	47,893	256,847	35,751	71,595	159,701	525,581	28,779	44,030	367,964		
20 201	Food and kindred products Meat products	143 17	41 7	4,371 855	19,673 3,297	2,910 729	6,273 1,661	11,109 2,522	41,711 5,493	2,324 (Z)	4,207 777	32,637 4,028		
202 204	Dairies Grain mill products	29 24	12 3	915 306	4,838 1,492	349 172	794 415	1,740 743	11,358 3,042	541 (Z)	939 3 37	9,982		
205	Bakery products	26	5	745	3,174	473	953	1,638	5,376	(Z)	760	4,701		
207	Candy and related products Miscellaneous foods and	12	5	804	3,948	637	1,383	2,657	9,445	(Z)	836	6,398		
	kindred products	26	6	529	2,195	412	787	1,364	5,213	(Z)	335	2,411		
21	Tobacco manufactures	10	6	477	1,652	431	863	1,286	2,551	(2)	927	6,145		
22 225	Textile mill products Knitting mills	18 9	15 8	1,809 1,016	7,395 4,149	1,631 925	3,247 1,855	5,879 3,295	13,589 7,936	(z) (z)	2,157 1,176	11,269 6, <i>5</i> 17		
23	Apparel and related products	57	51	6,110	19,136	5,702	10,790	16,515	28,808	562	5,721	22,312		
233 234	Women's and misses' outerwear Women's and children's	13	12	998	2,830	936	1,675	2,542	3,734	(Z)	848	3,161		
236	umderwear	16 15	15 15	1,959 1,982	6,357 5,800	1,834 1,878	3,472 3,580	5,468 5,137	11,426 7,589	(Z) (Z)	2,046 1,716	8,473 5,551		
24	Lumber and wood products	37	6	411	1,814	334	697	1,363	2,787	(Z)	395	1,740		
25	Furniture and fixtures	19	8	371	1,678	288	569	1,154	2,700	(Z)	473	3,497		
26	Paper and allied products	11	9	613	2,974	524	1,056	2,382	5,056	(Z)	378	2,129		
27	Printing and publishing	68	15	1,878	11,021	1,431	2,907	8,088	17,712	1,398	1,835	14,115		
271 275	Newspapers	11 42	3 10	533 1,163	2,863 7,051	302 998	578 2,034	1,744 5,592	5,342 10,299	(2) 1,070	578 1,083	4,644 7,990		
31	Leather and leather products	25	20	3,476	12,054	3,205	5,835	9,959	17,161	(Z)	3,236	13,944		
	ee footnotes at end of table.													

Table 4.—General Statistics for Standard metropolitan Statistical areas with 40,000 or more manufacturing employees: 1963 and 1958—Continued (See text for explanation of column captions)

- Charles		(Coo cost to expedit that of contains capable)										
						196	3		1		19	58
Code	Industry group		With 20 or more	All emp			oduction wor		Value added by manufac- ture	Capital expend- itures, new1	All employ- ees, number	Value added by manufac- ture
		Total	employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
					(C		STER SMSA-(Continued ter County,	Pa.)			
32	Stone, clay and glass products.	25	11	1,835	10,744	1,343	2,768	6,996	22,376	1,486	1,722	15,072
33 332	Primary metal industries Iron and steel foundries	34 13	18 11	2,352 1,261	13,670 6,671	1,960 1,114	3,922 2,097	9,609 5,350	22,164	5,697 (Z)	1,413 941	12,178 6,082
34	Fabricated metal products	53	30	4,482	24,589	3,749	7,448	18,811	9,558 54,367	2,625	4,246	38,153
342 343	Cutlery, hand tools, hardware Plumbing and heating, except electric	10	7	879 367	3,937 2,002	711	1,368 588	2,742 1,477	6,906 5,494	(Z)	884 326	4,985 3,775
345	Screw machine products	6	5	532	3,134	414	921	2,207	5,387	(Z) (Z)	544	3,581
35 356	Machinery, except electrical General industrial machinery.	79 15	24 5	4,320 789	28,565 5,861	2,821 639	6,076 1,373	16,401 4,387	54,950 11,554	1,352 (Z)	4,062 723	52,812 8,620
36	Electrical machinery	12	8	5,213	34,265	3,339	7,026	17,059	86,230	5,276	4,140	45,293
37	Transportation equipment	18	7	643	3,534	513	1,076	2,731	5,474	(Z)	684	4,799
	Administrative and auxiliary	-		2,515	22,803	-	-	_	_	-	1,735	
		PHILADELPHIA SMSA (Consists of Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pa., and Camden, and Gloucester Counties, N.J.)									Burlington	,
	All industries, total ²	8,125	3,116	537,439	3,320,978	374,723	745,962	1,994,730	5,987,310	297,576	r _{536,912}	4,826,261
20 201	Food and kindred products Meat products	754 127	324 52	45,117	260,305	29,445	61,537	152,803	626,455	33,217	50,675	533,490
202	Dairies	121	70	5,856 7,526	35,600 44,528	4,329 2,959	9,506 6,125	24,374 15,056	72,055 99,661	2,609 5,037	6,058 8,976	55,907 92,593
203 205	Canned and frozen foods Bakery products	81 166	35 67	7,051	36,099 70,970	5,763 8,121	11,271	25,761 43,244	116,824 140,904	4,269 5,099	7,283 13,411	93,397
207 208	Candy and related products Beverages	71 77	27 31	3,022 4,914	13,109 32,221	2,463 2,734	5,048 5,537	9,366 16,120	25,011 84,041	1,211 7,121	4,878 5,574	41,868 63,666
209	Miscellaneous foods and kindred products	80	27	1,620	8,684	1,040	2,130	4,771	21,122	1,180	1,724	21,533
21	Tobacco manufactures	9	5	2,277	8,684	2,029	3,821	6,677	27,061	(Z)	4,353	30,760
22 221	Textile mill products Weaving mills, cotton	445 12	27 2 6	29,134 641	125,996 2,963	25,335 584	49,118 1,243	96,128 2,360	229,740 4,809	8,727 (Z)	33,795 1,292	214,286 6,158
222	Weaving mills, synthetics Weaving, finishing mills,	11	8	1,057	5,011	959	1,925	4,279	8,395	(Z)	1,164	10,598
224 225	wool	37 28 192	23 18 120	2,358 1,183 13,417	11,217 4,827 52,935	2,040 1,043 11,902	4,050 2,007 22,083	8,763 3,648 41,770	15,868 7,906 90,905	524 (Z) 3,433	3,065 1,727 13,951	19,881 8,360 46,349
226	Textile finishing, except wool	38	20	1,786	8,944	1,488	3,185	6,575	22,094	637	2,216	14,925
227 228	Floor covering mills Yarn and thread mills	22 41	14 31	1,907 2,820	9,717 11,343	1,571 2,583	3,052 5,110	6,736 8,961	25,063 19,795	828 1,880	2,913 3,879	26,559 25,170
229	Miscellaneous textile goods	64	32	3,965	19,039	3,165	6,463	13,036	34,905	1,141	3,588	26,286
23 231	Apparel and related products Men's and boys' suits and	977	526	56,476	216,379	50,070	91,285	173,355	369,199	4,639	56,369	292,216
232 233	Men's and boys' furnishings. Women's and misses' outerwear	135 132 282	91 83 181	18,539 *8,604 13,818	81,747 29,749 49,972	16,602 7,861 12,124	30,917 14,562 21,099	67,615 24,417 38,521	125,202 48,436 101,202	1,175 (Z) 1,200	17,772 8,240 13,400	106,613 37,256 63,245
234	Women's and children's underwear	23	16	1,281	4,198	1,178	2,173	3,444	8,271	(z)	1,441	6,151
236 238 239	Children's outerwear Miscellaneous apparel Fabricated textiles, n.e.c	79 47 230	57 25 61	5,719 1,939 5,048	19,978 6,453 16,905	4,991 1,761 4,264	8,869 3,192 8,058	15,971 5,160 12,677	37,777 9,845 28,582	(Z) (Z) 764	5,609 1,930 5,268	28,319 10,259 25,507
24	Lumber and wood products	206	43	3,019	14,968	2,320	4,550	10,341	29,342	1,583	3,022	20,015
242 243	Sawmills and planing mills Millwork and related products	36 81	21	280 1,590	1,098 8,802	1,122	474 2,156	862 5,551	1,681 19,760	(Z) 1,143	209 1,532	980 11,321
244 249	Wooden containers Miscellaneous wood products	20 56	9	436 643	1,909 3,023	376 531	756 1,034	1,459 2,283	2,387 5,399	(Z) (Z)	555 686	2,827 4,657
25	Furniture and fixtures	281	74 39	7,489 3,427	38,176 14,558	6,107 2,906	12,287 5,573	28,944	59,603	1,653	7,509 4,454	57,839
251 252	Household furniture	153	9	974	5,001	828	1,720	11,296 3,998	24,305 8,884	866 (z)	901	31,352 9,614
253 254 259	Public building furniture Partitions and fixtures Furniture and fixtures,	9 74	3 18 5	400 1,927 761	12,804	299 1,504 570	626 3,348	1,750 9,622	3,736 17,811	(z) (z) (z)	165 1,384 605	1,156
26	Paper and allied products	26 243	170	20,818	3,200 124,536	16,565	1,020 34,961	2,278 89,370	4,867 271,030	(Z) 17,891	19,505	5,276 219,008
262 264 265	Paper mills, except building. Paper and paperboard products Paperboard containers and	12 97	12 57	2,096 6,684	15,549 40,003	1,662 5,223	3,900 10,704	12,334 28,099	30,431 120,026	3,216 5,001	2,220 5,786	30,868 84,691
27	boxes Printing and publishing	11.8	85 242	9,080 36,876	48,794 224,619	7,253 23,519	14,916 45,202	33,464 139,902	83,784 425,193	6,219 13,934	8,789 37,406	72,387 340,587
271	Newspapers	112	33 11	8,657	52,621	4,244	7,635 3,291	26,461 10,959	83,677	3,328 746	8,203 6,641	60,929 101,259
272 273	Periodicals	61 48	18	5,988 2,044	34,979 12,470 1,340	1,736	2,539	7,080	127,786 28,538	645	2,506	27,452
274 275	Miscellaneous publishing Commercial printing	38 592	100	294 13,559	86.781	94 11,054	21,473	474 67,271	2,326 131,981	(z) 7,107	14,439	3,439 108,420
276 277	Manifold business forms Greeting card manufacturing	16 8	9 5	674 283	4,222 1,251 11,766	508 230	1,072 461	2,751 895	6,845 1,704	(Z) (Z)	568 311	5,528 1,680
278 279	Bookbinding and related work. Printing trades services	63 100	30 31	2,519 3,858	11,766 19,189	2,201 2,247	4,171 4,385	9,038 14,973	17,770 24,566	953 622	1,852 2,509	10,390 21,490
		•		,	1	1.						

PENNSYLVANIA 11

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued (See text for explanation of column captions)

_	(See text for explanation of column captions)												
						196	3				1958		
Code	Industry group	num	shments, ber With 20 or more	All emp			duction wor		Value added by manufac- ture	Capital expend- itures, new1	All employ- ees, number	Value added by manufac- ture	
		Total	employ- ees	Number	(\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	(\$1,000)	(\$1,000)	Hamber	(\$1,000)	
			L	s of Bucks,	Chester, D	elaware, Mo	LPHIA SMSA- mtgomery, a	-Continued	hia Counties		Burlington,		
28	Chemicals and allied products	413	168	33,912	237,951	19,871	39,737	115,864	777,805	47,989	29,739	554,858	
281 282	Basic chemicals	60 32	31 21	6,731 8,320	48,628 58,577	4,326 5,102	8,747 10,185	28,536 31,58 8	141,877 133,251	18,845 9,347	5,974 7,025	94,314	
283 284	Drugs	50 98	21 33	8,315 3,586	64,153 20,574	3,978 2,401	7,511 4,687	22,678 11,226	359,344 55,532	11,576 1,996	7,159 2,506	258,310 33,198	
285	Paints and allied products	62	27	3,140	21,086	1,779	3,804	10,300	53,459	3,753	3,582	38,503	
289	Miscellaneous chemical products	96	30	2,846	18,679	1,738	3,626	8,868	32,036	2,078	2,467	28,808	
29	Petroleum and coal products	53	23	12,494	98,206	9,312	18,935	67,507	204,098	25,312	16,473	158,179	
291 295	Petroleum refining Paving and roofing materials	9 24	6	11,038 495	86,985 3,139	8,518 327	17,139 778	62,590 2,017	180,209 8,004	24,163 (D)	14,578 494	133,499 6,363	
299	Petroleum and coal products,	20	11	961	8,082	467	1,018	2,900	15,885	(D)	7 AO7		
30	Rubber and plastics products,	20	11	701	3,002	407	1,010	2,500	17,000	(D)	1,401	18,317	
	n.e.c	163	64	12,318	76,603	10,053	19,990	57,872	168,676	8,261	11,396	139,611	
307 31	Plastics products, n.e.c Leather and leather products	112 84	38 40	4,326 4,401	21,724 18,797	3,543 3,659	6,759 7,125	15,393 14,349	38,099 28,871	3,310 509	3,687 6,468	28,262 37,058	
311	Leather tanning and finishing.	14	8	1,273	6,588	1,020	1,963	4,615	8,848	(2)	2,253	15,875	
312 314	Industrial leather belting Footwear, except rubber	6 16	8	429 1,292	2,269 4,788	327 1,122	2,186	1,476 4,112	4,126 7,965	(Z)	353 2,182	2,589 10,360	
316 317	Luggage	14 17	9	390 777	1,509 2,564	318 680	626 1,271	1,374 2,009	2,659 3,624	(Z) (Z)	401, 940	2,088 4,180	
32	Stone, clay and glass products	317	110	12,757	76,175	10,059	20,873	55,256	154,384	15,558	12,954	135,379	
323 325	Products of purchased glass Structural clay products	45 16	12	1,024 2,384	5,203 13,055	888 1,987	1,820 3,864	3,890 9,758	9,819	(Z)	1,130 1,854	7,522	
327	Concrete and plaster products.	138	11 41	3,246	20,015	2,398	5,126	13,681	27,087 45,294	776 7,177	2,978	18,439 38,146	
329	Nonmetallic mineral products	81	37	5,133	32,473	3,927	8,202	23,481	60,807	6,659	5,870	59,412	
33 331	Primary metal industries Steel rolling and finishing	186 29	100 23	31,464 20,126	215,959 146,314	24,246 15,262	48,843 30,411	157,452 107,006	462,553 345,751	19,700	33,626 19,838	378,673 260,272	
332 334	Iron and steel foundries Secondary nonferrous metals	36 22	31	4,530 1,182	27,561 7,047	3,712 852	7,214	21,045 4,375	40,520 16,900	2,563 524	6,147 1,072	46,748 15,871	
336	Nonferrous foundries	53	13	2,212	13,704	1,889	3,762	11,222	21,623	(z)	2,749	21,598	
339	Primary metal industries, n.e.c	27	10	1,012	6,944	757	1,500	4,497	14,431	885	2,167	19,112	
34	Fabricated metal products	928	321	44,407	270,606	35,440	72,426	200,171	446,103	21,342	45,506	391,442	
342 343	Cutlery, hand tools, hardware. Plumbing and heating, except	62	27	2,516	12,610	2,096	4,193	9,760	23,429	747	3,100	22,271	
344	electric	35 397	16 128	2,832 13,036	17,755 76,700	2,129 9,902	4,239 19,650	11,787 52,263	34,426 116,799	1,030 4,544	2,473 15,369	26,720 130,662	
345	Screw machine products	81	19	4,516	28,038	3,613	7,864	21,623	43,856	1,120	4,444	41,261	
346 348	Metal stampings Fabricated wire products,	75	31	8,724	61,728	7,219	14,614	48,852	96,981	3,768	9,251	69,867	
349	n.e.c	55	21	2,085	11,201	1,740	3,590	8,614	19,540	1,605	2,099	15,821	
247	n.e.c	114	53	6,354	36,419	4,954	10,052	25,055	56,218	2,461	4,635	39,156	
35 352	Machinery, except electrical	983 10	233	45,545 316	306,099 1,591	30,430 225	61,039 466	182,919 1,017	498,584 2,396	31,272 (Z)	43,261 339	374,259 2,050	
353	Farm machinery and equipment. Construction and like equipment	54	18	4,311	29,273	2,398	5,177	15,341	54,382	1,129	4,337	40,228	
354 355	Metalworking machinery Special industry machinery	239 128	36 51	3,391 7,882	22,161 54,361	2,665 5,335	5,696 11,034	16,312 32,003	34,471 78,196	2,498 3,490	2,712 8,028	25,056 61,754	
356 358	General industrial machinery Service industry machines	137 73	42 22	9,132 5, 2 14	60,682 31,6 7 5	6,169 3,312	12,194 6,435	37,059 17,821	112,122 53,915	4,372 2,408	9,587 1,739	86,083 12,625	
359	Miscellaneous machinery	311	50	4,435	25,812	3,465	7,457	19,590	41,934	1,936	4,362	34,346	
36	Electrical machinery	366	177	55,520	383,363	38,138	76,693	222,135	594,925	19,065	46,614	442,464	
361	Electric distribution products	55	20	9,793	70,676	5,938	12,295	37,456	113,758	4,239	9,369	115,146	
362 363	Electric industrial apparatus. Household appliances	4] 11	18	3,278 1,191	19,651 5,366	2,067 1,040	4,780 1,988	9,770 4,023	37,271 10,000	1,216 (Z)	2,131 1,647	19,933	
364	Lighting and wiring devices	95 70	53	4,945	24,195	4,015	8.084	16,696	49,685	1,741	5,311	40,638 45,346	
367 369	Electronic components Electrical products, n.e.c	23	31 10	6,400 2,215	35,932 13,289	4,385 1,431	8,307 2,777	20,778 7,117	59,389 24,616	3,879 781	7,031 2,174	17,302	
37	Transportation equipment	127	59	35,876	273,943	21,832	45,178	142,714 27,162	370,661	17,442	28,251	284,638	
371 372	Motor vehicles and equipment Aircraft and parts	61 31	26 18	5,632 20,259	37,162 166,542	4,504 8,453	9,074 18,387	27,162 56,477	70,952 210,372	4,241 11,667	7,459 8,632	94,397 103,730	
38	Instruments and related products.	180	68	13,454	88,380	8,744	17,630	49.655	159,515	5,672	12,890	105,195	
381 382	Scientific instruments Mechanical measuring devices	30 41	14 20	1,094 9,696	6,628 67,320	81.2 5,980	1,623 12,235	4,035 37,195	9,327	(Z) 4,780	878 9,884	6,220 84,146	
384	Medical instruments and	61	17						18,905	(z)	1,667	11,180	
386	SuppliesPhotographic equipment	18	8	1,981 334	10,461 1,656	1,431 237	2,734 482	5,619 956	2,922	(Z)	316	2,369	
39	Miscellaneous manufacturing,	201	2.5	0.000	10.010	F 066	34.043	20.000	DD 045	2 025	15.260	116,304	
394	including ordnance ³ Toys and sporting goods	384 53	95 22	9,292 2,387	43,348 8,708	7,362 1,945	14,361 3,591	30,267 5,877	77,867 18,072	3,235 1,583	15,360 2,319	16,304	
395	Pens, pencils and office supplies	41	9	1,085	5,882	711	1,473	3,206	9,675	(Z)	1,353	.9,983	
396	Costume jewelry and notions	25	8	466	2,056	396	791	1,462	2,898	(z)	677	3,878	
398 399	Miscellaneous manufactures3	207	51	4,901	24,380	3,986	7,864	18,220	42,556	1,221	10,343	80,425	
190				0.1	03.5. 55						T 27 7/0		
	Administrative and auxiliary4	-	-	24,793	217,885	-	-	-	-	-	^r 21,740	-	

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued

(See text for explanation of column captions)

						196	3				19	58
ode	Industry group	Establi num		All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new1 (\$1,000)	ees, number	manufac- ture (\$1,000)
					(4=)/		PITTSBURG		(+=)/	(4=)/		(42)000)
				(Consi	sts of Alle	gheny, Beav		ton, and Wes	tmoreland Co	unties, Pa.)	
	All industries, total ²	2,471	877	274,083	1,936,555	183,454	356,663	1,133,230	2,890,300	201,557	r _{305,752}	2,622,34
201	Food and kindred products Meat products	375 57	124 18	15,850	92,239	9,478	18,895 2,981	51,248	210,692 14,404	6,203	19,751	185,53
202	Dairies	79	32	1,967 3,758	11,178 24,448	1,391 1,316	2,693	7,806 8,005	50,428	1,946	2,518 4,989	20,10
204	Grain mill products Bakery products	8 84	30	272 3,890	1,246 21,521	153 2,448	326 4,861	629 12,970	2,710 46,363	(Z) 765	219 4,546	1,44
207	Candy and related products	28	5	643	2,674	534	1,052	2,056	5,108	(Z)	1,044	6,82
208	Beverages	65	18	2,824	19,325	1,676	3,390	11,268	40,910	1,940	3,047	37,66
	kindred products	44	12	894	4,334	575	1,088	2,275	11,638	(Z)	953	10,14
22	Textile mill products	6	2	312	1,058	286	569	931	1,478	(Z)	200	81.
23	Apparel and related products	63	24	2,131	6,905	1,824	3,272	5,379	11,539	(Z)	2,166	10,75
233	Women's and misses' outerwear Fabricated textiles, n.e.c	14 32	11 9	1,016 633	3,008 2,253	866 542	1,515 1,027	2,408 1,640	4,210 3,633	(Z) (Z)	679 756	2,66° 4,79°
24	Lumber and wood products	92	12	965	4,578	749	1,442	3,034	8,229	577	732	6,21
243	Millwork and related products	36	9	599	3,247	433	850	1,934	5,644	(Z)	357	3,63
25 251	Furniture and fixtures Household furniture	75 37	13	1,255 472	6,540 2,351	1,007	1,989 701	4,495 1,399	9,349 4,085	(Z) (Z)	1,795 1,079	10,78
254	Partitions and fixtures	23	6 5	391	2,536	362 322	718	1,867	2,788	(Z)	288	1,97
26	Paper and allied products	36	22	3,326	16,923	2,644	5,281	12,008	32,696	1,746	3,314	29,40
265	Paperboard containers and boxes	19	15	2,191	11,445	1,677	3,466	8,162	19,792	1,006	2,329	19,29
27	Printing and publishing	344	66	7,583	47,921	4,927	9,765	30,713	81,175	5,823	9,008	73,27
271	Newspapers	63	22	3,745	25,409	2,179	4,446	15,423	43,567	4,396	4,612	38,10
273 275	Books	208	2 28	250 2,792	1,185 16,555	165 2,099	363 4,031	801 11,422	2,239 26,985	(Z) 941	281 3,107	1,64
279	Printing trades services	22	7	350	2,524	242	470	1,813	3,951	(Z)	401	4,13
28	Chemicals and allied products	110	44	4,973	32,744	3,005	5,882	17,993	97,924	8,243	5,938	66,15
281	Basic chemicals Fibers, plastics, rubbers	22 10	10	1,255 1,355	9,638 9,114	880 936	1,801 1,769	6,289 5,859	49,567 16,771	4,169 2,734	2,496 1,088	23,67 15,99
285	Paints and allied products	20	14	1,226	7,878	534	1,097	2,888	15,196	2,734 717	1,225	14,91
289	Miscellaneous chemical products	30	8	726	4,201	466	893	2,305	12,397	(Z)	602	5,90
29	Petroleum and coal products	25	7	637	4,021	426	836	2,519	8,198	(Z)	722	6,82
30	Rubber and plastics products,								ĺ			
	n.e.c	40	16	1,632	9,641	1,280	2,719	6,999	20,578	1,123	1,760	16,22
32 322	Stone, clay and glass products. Pressed and blown glassware	243 17	92 14	16,637	95,131 31,972	14,005 5,418	26,613	75,060	175,235 52,038	9,363	17,930 6,517	157,98 48,01
323	Products of purchased glass	26	7	6,114 1,139	6,561	907	9,993 1,792	26,647 4,940 5,708	17,083	3,008 737	1,183	13,10
325 326	Structural clay products Pottery and related products.	28 10	20	1,425 1,526	7,277	1,215 1,273	2,259 2,451	5,708 6,049	12,419 12,870	1,683 (Z)	1,570 1,667	10,82
327	Concrete and plaster products	103	22	1,465	7,547	1,109	2,220	5,367 7,260	18,069	1,269	1,721	16,86
329	Nonmetallic mineral products.	41	15	1,603	10,044	1,273	2,536		20,779	865	1,668	17,83
33 331	Primary metal industries Steel rolling and finishing	161 59	109 52	105,642	755,094 658,955	86,881 75,579	166,475 143,951	583,540 511,492	1,360,145 1,205,396	131,292	117,793 99,771	1,195,60
332	Iron and steel foundries	45	35	*8,468	55,526	7,364	14,106	46,177	91,159	3,443	8,314	63,30
335	Nonferrous rolling and drawing	6	5	2,531	18,156	1,801	3,901	12,173	20,233	(D)	6,272	45,60
336	Nonferrous foundries	22	5	845	4,940	664	1,284	3,529	8,465	(Z)	1,010	8,57
339	Primary metal industries,	17	8	1,045	7,405	822	1,744	5,439	13,352	(Z)	1,127	9,90
34	Fabricated metal products	327	145	26,785	167,849	20,142	39,023	114,573	282,047	9,883	32,512	313,30
342 343	Cutlery, hand tools, hardware Plumbing and heating, except	12	9	814	4,789	624	1,269	3,331	8,231	(Z)	1,233	10,03
	electric	17	6	810	5,387	606	1,081	3,694	10,265	(Z)	959	8,56
344 345	Structural metal products Screw machine products	149 23	61 11	13,773	86,954 10,036	10,217	19,223	58,771 6,447	121,625 18,954	5,513 (Z)	16,822	154,26
346	Metal stampings	19	9	1,516 2,982	17,189	2,435	2,269 4,937	12,624	43,919	1,862	3,090	39,16
348	Fabricated wire products,	24	10	737	4,058	586	1,261	2,946	6,237	(Z)	753	6,12
349	Fabricated metal products,											
	n.e.c.	46	29	4,597	29,196	3,216	6,246	18,556	55,109	1,128	6,004	65,48
35 353	Machinery, except electrical Construction and like	310	97	19,457	140,445	13,336	26,761	85,161	218,694	10,920	20,458	212,01
	equipment	20	13	1,233	9,064	823	1,671	5,321	17,606	(Z)	1,234	14,42
354 355	Metalworking machinery Special industry machinery	78 19	36 7	7,139 762	49,921 5,055	5,604 538	10,964	35,703 2,785	79,178 8,819	4,426 (Z)	7,204 700	57,64 6,65
356	General industrial machinery.	60	23	3,671	27,809	1,880	3,929	11,339	40,281	1,580	3,465	26,59
36	Electrical machinery	87	45	19,199	128,036	13,595	27,366	80,779	226,445	7,684	19,919	201,76
361	Electric distribution products	14	9	9,711	68,611	6,877	13,911	44,005	110,004	2,539	9,580	104,25
240	Electric industrial apparatus	14	8	2,864 2,499	20,087	2,118 1,964	13,911 4,187 4,259	13,842 9,392	46,660 29,112	1,672 (Z)	2,060 3,740	21,80 42,20
362 364	Lighting and wiring devices	22	14									

PENNSYLVANIA

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Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued (See text for explanation of column captions)

				(See text:	for explana	tion of col	umm captions	S)				
						196	3				19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ-	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new 1 (\$1,000)	ees, number	manufac- ture (\$1,000)
_				L	(42)0007	PIT	-	A —Continued		(4-)/		(42,500)
			(Consists of Allegheny, Beaver, Washington, and Westmoreland Counties, Pa.									
38	Instruments and related products	35	12	3,332	21,208	2,135	4,271	12,254	37,750	732	3,512	32,724
39 394	Miscellaneous manufacturing, including ordnance ³ Toys and sporting goods	99 20	30 6	3,301 1,188	15,950 4,305	2,565 992	5,003 1,788	10,224 2,799	24,759 7,800	1,609 (D)	2,642 852	17,972 4,891
395	Pens, pencils and office supplies	10	5	500	3,218	345	703	1,839	4,993	(Z)	605	4,004
398 399 190	Miscellaneous manufactures ³	55	17	1,503	7,948	1,146	2,355	5,233	11,036	(Z)	1,076	8,483
	Administrative and auxiliary4	-	-	34,228	338,626		-	-	-	-	°35,864	_
						(Coextensi	READING ve with Ber	SMSA ks County, P	a.)			
	All industries, total ²	669	303	49,965	252,185	39,110	76,271	171,753	420,369	23,391	r48,429	341,515
20 202	Food and kindred products Dairies	120 19	40 9	4,955 535	21,826 3,123	3,381 173	6,701 354	12,676 887	48,379 5,413	2,400 (Z)	4,356 443	30,356 2,948
203 205	Canned and frozen foods Bakery products	7 29	4 11	323 1,279	961 5,835	280 798	548 1,634	675 3,444	4,779 11,333	(Z) (Z)	143 1,291	715 8,215
207 208	Candy and related products Beverages	23 17	8 5	1,801 472	6,146 2,776	1,563 205	3,026 426	4,752 1,051	15,684 6,263	853 (Z)	1,342 481	9,814 4,534
22 225	Textile mill products Knitting mills	98 84	63 54	8,443 7,109	30,739 25,105	7,460 6,281	14,019 11,631	24,107 19,613	42,266 33,653	2,365 1,661	10,729 9,404	54,095 45,402
23 232	Apparel and related products Men's and boys' furnishings	55 12	42 12	4,570 1,214	13,328 3,593	4,194 1,121	7,490 2,006	11,566 3,136	20,975 5,520	(Z) (Z)	4,569 1,521	18,557 5,797
233 234	Women's and misses' outerwear Women's and children's underwear	17	14	1,355 963	3,945 2,590	1,272 878	2,258 1,555	3,574 2,164	6,107 4,488	(z) (z)	1,159 1,061	5,244 4,158
24	Lumber and wood products	26	5	290	1,306	244	480	984	2,360	(Z)	270	1,536
2 5	Furniture and fixtures	22	9	846	3,452	696	1,318	2,586	5,640	(Z)	601	3,837
26 265	Paper and allied products Paperboard containers and boxes	20	15 9	1,276	7,329 4,058	1,079 635	2,304	5,710 3,205	14,681	655 (Z)	1,388	13,552 8,664
27 275	Printing and publishing Commercial printing	45 32	8 4	1,067 420	5,899 2,015	689 329	1,323 661	3,387 1,442	10,735 3,712	671 (Z)	941 245	7,450 1,287
28	Chemicals and allied products	17	5	906	5,540	475	989	2,526	19,133	635	869	12,852
281	Basic chemicals Leather and leather products	7	3	255 1,892	1,899 6,961	149 1,723	313	5,678	7,916 10,699	515 (Z)	172 2,370	3,681 9,922
32	Stone, clay and glass products.	22	9	663	4,012	566	1,114	2,803	9,008	504	617	7,157
33 332	Primary metal industries Iron and steel foundries	37 11	21 11	5,846 1,702	38,757 9,501	4,400 1,435	8,928 2,871	26,249 7,167	71,342 11,196	4,678 759	6,069 2,078	58,314 9,440
34 342	Fabricated metal products Cutlery, hand tools, hardware	52 8	25 5	2,818 378	14,824	2,085 340	3,853 665	9,612 1,499	22,920 3,187	800 (Z)	2,605 322	19,653 2,258
344 35	Structural metal products	21 73	10 15	701 4,978	3,893 27,866	399 4,011	687	1,779 21,074	5,509 39,244	(Z) 2,333	701 4,261	6,780 28,390
36	Machinery, except electrical Electrical machinery	25	14	5,255	31,044	3,836	8,153 7,488	18,649	46,876	5,385	3,711	29,502
369 37	Electrical products, n.e.c Transportation equipment	6 15	4 8	1,223 3;561	7,558 23,166	986 2,937	1,870 6,128	5,424 17,921	15,020 42,200	(Z) 1,258	928	8,329 29,015
39	Miscellaneous manufacturing	17	8	799	3,588	658	1,350	3,110	5,984	(2)	823	8,232
	Administrative and auxiliary4	-	-	916	8,017	-	-	-	_		259	_
			WILKES-BARRE-HAZLETON SMSA (Coextensive with Luzerne County, Pa.)									
	All industries, total ²	762	397	43,829	165,014	37,670	69,286	126,868	312,116	13,366	38,675	207,590
20 202	Food and kindred products Dairies	1.24 41	34 9	3,226 706	15,486 3,667	1,952 310	3,882 633	8,196 1,275	36,477 6,756	1,509 (Z)	3,424 878	27,511 7,550
205	Bakery products Beverages	29 26	10	1,233 728	5,551 3,763	821 367	1,647 696	3,402 1,706	6,756 15,551 9,115	566 (Z)	1,119 889	6,358 9,336
21	Tobacco manufactures	8	8	3,121	10,331	2,919	5,432	9,327	35,078	(Z)	3,363	24,975
22 222 225	Textile mill products Weaving mills, synthetics Knitting mills	37 8 10	26 6	2,982 833 762	10,750 3,084	2,741 798 701	5,192 1,456 1,316	9,233 2,741 2,199	17,646 3,491 3,190	1,311 (Z) (Z)	3,532 1,563 836	16,562 7,260 3,321
225 23 233	Apparel and related products Women's and misses' outerwear	267 195	216 167	17,680 11,362	2,480 50,207 30,435	16,345 10,476	27,975 17,452	2,199 42,948 25,961	72,166 40,888	5,252 4,832	15,150 7,513	48,745
234	Women's and children's underwear.	7	6 17	1,220	3,332	1,125		2,967 3,772	4,425 9,578	(Z)	1,382 1,685	3,815 6,892
	Children's outerwear	22	1.7	1,437	4,658	1,291	2,429	5,772	7,770	(2)	1,000	0,072

Table 4.-GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958-Continued (See text for explanation of column captions)

						196	3				19	58
ode	Industry group	Establi num	shments,	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new1	ees, number	added by manufac- ture (\$1,000)
						/0	WILKES-BARR	E SMSA				11-7
25	Furniture and fixtures	20	10	1,040	/ 52/			erne County,		(a)	-	
51	Household furniture	14	8	932	4,534 4,113	884 789	1,769 1,585	3,304 2,945	7,946 7,184	(Z)	818 620	5,: 4,:
27 71	Printing and publishing Newspapers	49 11	10	1,166 574	6,877 3,675	842 346	1,523 605	4,762 2,083	10,361 5,256	(Z) (Z)	1,068 558	8,
30	Rubber and plastics products, n.e.c	10	4	1,143	4,654	985	1,845	3,620	9,044	(Z)	700	4,
31	Leather and leather products	21	17	3,336	10,798	3,096	5,852	8,980	20,506	(z)	2,783	11,
34	Fabricated metal products Structural metal products	32	13 5	1,879	10,281	1,418	2,816	7,078	20,143	1,153	2,053	18,
35	Machinery, except electrical	1,5 48	17	886 2,031	4,834	1,556	1,289 3,192	3,151 8,291	7,024 28,897	(D) 662	2,201	6, 15,
56	General industrial machinery.	7	3	753	4,258	627	1,326	3,350	11,528	(Z)	656	5,
37	Transportation equipment Miscellaneous manufacturing,	17	10	1,834	9,017	1,624	3,273	7,704	17,685	(Z)	751	7,
"	including ordnance3	31	1.2	1,700	6,848	1,423	2,766	4,706	11,674	(z)	1,053	6,
	Administrative and auxiliary4	-	-	224	1,217	-	-	-	-	-	-	
					(0	onsists of	YORK SM Adams and Y	SA ork Counties	, Pa.)			
	All industries, total ²	717	357	48,252	221,976	39,532	79,923	162,414	441,124	19,433	r _{48,053}	363,
0 2	Food and kindred products	123	56	5,385	21,741	3,861	8,068	13,593	53,402	3,617	5,135	44
3	Dairies Canned and frozen foods	22 17	12 13	758 2,206	3,799 7,271	282 1,976	546 4,000	1,272 5,986	7,069 23,023	685 1,616	765 1,988	6 17
5	Grain mill products Bakery products	18 27	5 1 1	375 927	1,886 4,029	257 527	591 1,153	1,098 2,172	5,253 8,755	(Z) (Z)	439 1,011	4 7
19	Miscellaneous foods and kindred products	18	6	621	2,639	485	1,086	1,876	5,425	663	451	3
1	Tobacco manufactures	39	18	1,428	4,541	1,324	2,574	3,752	12,014	(Z)	(D)	
2	Textile mill products	24	18	2,992	12,637	2,803	5,679	10,931	21,682	(Z)	3,279	16
3	Apparel and related products Men's and boys' furnishings	62 11	54 11	6,234 1,710	18,267 4,861	5,914 1,643	10,688 2,966	16,827 4,534	24,088 5,966	(Z) (Z)	5,735 (D)	17
3	Women's and misses' outerwear	26	25	2,126	6,119	2,024 873	3,531	5,696	7,831	(Z)	1,389	4.
4	Children's outerwear	50	7	620	2,825 2,209	526	1,678 1,091	2,478 1,718	4,998 3,821	(Z) 702	1,316 440	3 ₁
5	Furniture and fixtures	44	29	3,846	18,645	3,165	6,825	14,075	32,873	(z)	3,825	25
6	Household furniture	33	25	2,177 3,114	9,504	1,847 2,582	4,058 5,677	7,382	16,125	(Z)	2,195	14,
4	Paper and allied products Paper and paperboard products Paperboard containers and	13	7	445	2,017	358	662	1,351	38,970 4,173	1,320 (Z)	3,025 381	32 ₃
	boxes	15	11	1,049	4,843	846	1,761	3,433	8,866	(2)	(D)	
7	Printing and publishing Newspapers	56 5	18	2,424 521	12,643 2,777	1,875 274	3,859 562	9,616 2,003	23,671 3,707	583 (Z)	2,155 490	1.5
- 1	Commercial printing	30 9	5	384	1,803	266	523	1,061	2,903	(Z)	354	2
	Petroleum and coal products Leather and leather products	24	19	340 4,317	1,730 14,098	272 4.120	565 8,207	1,324	4,117 22,685	(Z) (Z)	244 3,863	2 17
4	Footwear, except rubber	15	14	3,899	12,769	3,739	7,456	11,418	20,829	(Z)	3,404	15
7	Stone, clay and glass products. Concrete and plaster products	39 25	13 7	1,275 518	6,850 2,930	1,030 372	2,265 803	4,881 1,793	14,863 5,542	2,610 (Z)	1,253 427	13 4
3 2	Primary metal industries Iron and steel foundries	19 5	14	1,837 400	9,403 1,878	1,595 351	3,241 589	7,370 1,576	32,324 2,513	745 (Z)	(D) 379	2
4 8	Fabricated metal products	47	21	2,886	15,203	2,163	4,213	10,782	32,323	948	3,434	39
-	n.e.c	6	5	1,254	6,365	1,015	1,966	4,920	13,084	(Z)	1,753	15,
35	Machinery, except electrical Metalworking machinery	80 25	29 8	6,010 501	36,136 2,919	4,140 443	8,629 981	22,664 2,470	70,200	4,851	7,598 319	77,
55	Special industrial machinery. Miscellaneous machinery	13	5 4	446 338	2,997	351 283	818 562	2,111 1,247	4,236 5,000 2,829	(z) (z) (z)	749 306	2, 5,
- 1	Electrical machinery	19	11	1,313	1,617 7,524	912	1,814	4,468	2,829	705	(D)	1,
	Miscellaneous manufacturing, including ordnance3	15	7	1,149	6,216	922	1,996	4,705	8,695	(z)	554	4,
_	Administrative and auxiliary4	_	_	247	2,201		_	_	-	-	112	,

⁽Z) Less than \$500

⁻ Represents sero. (D) Withheld to avoid disclosing figures for individual companies. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand. Revised.

'Includes expenditures for plants under construction but not in operation.

'The "All industries, total" includes figures for indistry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas, or (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

'Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Adcessories." Government owned and operated establishments are excluded.

'In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

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1963 CENSUS OF MANUFACTURES



Area series

RHODE ISLAND

preliminary report

Value added by manufacturing in 1963 in the State of Rhode Island amounted to \$950 million, a decrease of 2 percent from 1962 and an increase of 26 percent from 1958. Of this total, \$162 million was contributed by textile mill products industries and \$150 million by the miscellaneous manufacturing and ordnance industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	All emp	oloyees ¹	Pr	oduction worke	rs	Value	Capital expend-	Index of change (1958 = 100)	
Year	Total	Total With 20 or more employ-ees Number		Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	2,692 (NA) (NA) (NA) (NA) r _{2,737}	257 (NA) (NA) (NA) (NA) (NA) ^P 907	113,924 118,940 118,238 120,029 121,618 114,511	535,055 549,714 520,127 511,443 506,084 453,098	.90,036 92,573 91,551 95,582 98,151 91,393	177,125 184,701 181,300 187,728 193,740 175,924	366,054 372,487 351,764 353,219 354,076 314,333	949,756 r969,668 r923,520 r904,809 r904,471 r756,187	43,300 49,429 44,452 36,298 33,118 29,895	99 104 103 105 106 100	126 128 122 120 120 100

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

May 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. panies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any $\frac{1}{2}$ central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number. -- This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues,

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

<u>Value added by manufacture.</u>--This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

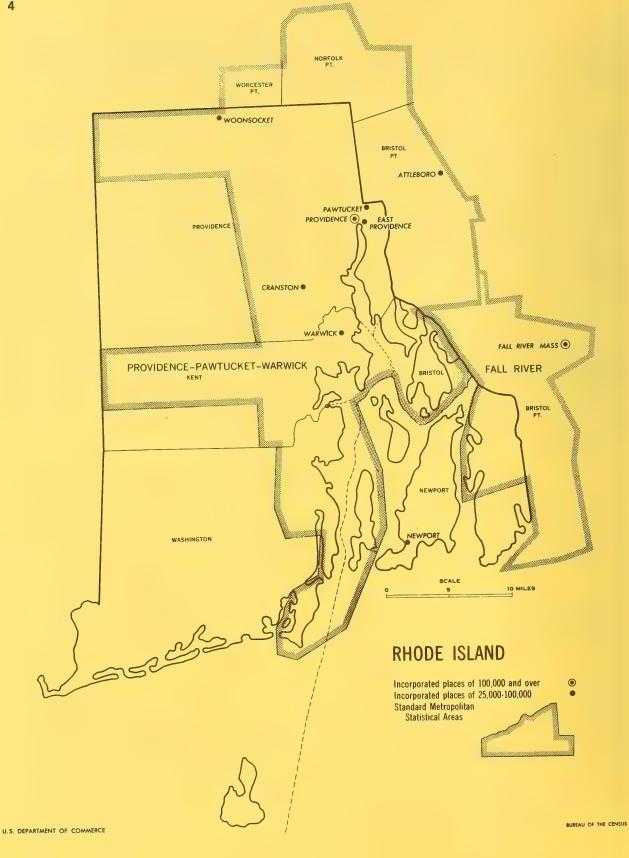
The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



RHODE ISLAND

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1953

(See text for explanation of column captions)

					196	3				1958	
State, standard metropolitan statistical areas.	Establishments, number		All employees 2		Production workers			Value added by	Capital	All employ-	Value added by
and counties 1	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	ees, number ²	manufac- ture (\$1,000)
RHODE ISLAND, TOTAL	2,692	857	113,924	535,055	90,036	177,125	366,054	949,756	43,300	r _{114,511}	^r 756,187
Fall River ⁴	342 332 10	190 189 1	22,875 22,812 63	83,935 83,772 163	19,835 19,790 45	36,258 36,172 86	65,452 65,350 102	138,267 137,885 382	4,075 4,045 (2)	23,665 23,617 48	112,722 112,356 366
Providence ⁵	2,904 348 2,556	943 132 811	125,754 18,514 107,240	596,409 94,498 501,911	99,186 14,201 84,985	196,968 29,948 167,020	406,358 61,502 344,856	1,067,491 171,804 895,687	47,230 6,841 40,389	r127,150 18,128 r109,022	r352,083 131,466 r720,617
COUNTIES¹ Bristol	72 254 51 2,242 73	31 85 11 702 28	5,577 11,532 1,554 91,505 3,756	25,181 53,885 9,080 429,809 17,100	4,634 9,210 730 72,252 3,210	8,757 18,391 1,423 142,097 6,457	18,097 37,777 3,060 294,278 12,842	42,632 100,836 13,252 762,670 30,366	1,312 6,036 (Z) 34,300 1,276	°5,267 8,767 742 95,788 3,947	[°] 34,183 55,296 7,283 635,600 23,825

(2) Less than \$500 thousand.

*Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

*Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

*Includes expenditures for plants under construction but not in operation.

*The Fall River Standard Metropolitan Statistical Area consists of Fall River city and Somerset, Swansea, and Westport towns in Bristol County, Mass.; and Tiverton town in Newport County, R.I.

*The Providence Standard Metropolitan Statistical Area consists of Central Falls, Cranston, East Providence, Pawtucket, Providence, and Woonsocket cities and Burrilleville, Cumberland, Johnston, Lincoln, North Providence, North Smithfield, and Smithfield towns in Providence County, Marragansett and North Kingstown towns in Washington County, Warrick city and Coventry, East Greenwich, and West Warwick towns in Kent County, Jonestown town in Newport County, Barrington, Bristol, and Warren towns in Bristol County, R.I.; Attleboro city and North Attleboro, Rehoboth, and Seekonk towns in Bristol County, Bellingham, Franklin, Plainville, and Werntham towns in Norfolk County, and Blackstone and Milville towns in Worcester County, Mass.

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY CROUPS: 1963 AND 1958 (See text for explanation of column captions)

						196	3				19	58
Code	Industry group	Establishments, number		All employees		Production workers			Value added by	Capital expend-	All employ-	Value added by
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ¹ (\$1,000)	employ- ees, number	manufac- ture (\$1,000)
	All industries, total ²	2,692	857	113,924	535,055	90,036	177,125	366,054	949,756	43,300	^r 114,511	^r 756,187
20 202 208 209	Food and kindred products Dairies Beverages Miscellaneous foods and		55 22 6	6,026 1,368 1,254	30,558 6,966 7,631	3,430 514 813	6,928 1,088 1,584	16,006 2,451 4,802	61,887 17,356 17,927	3,586 1,556 1,033	6,467 1,642 1,265	50,012 12,843 14,427
	kindred products	22	4	338	1,524	250	531	1,084	2,617	(Z)	466	2,914
22 222 223	Textile mill products Weaving mills, synthetics Weaving, finishing mills,	335 20	195 18	22,916 1,998	95,756 ε,868	20,152 1,783	40,054 3,727	75,588 7,095	161,838 16,820	6,799 (Z)	r _{28,516} 1,877	r _{149,083} 12,692
224 225 226	wool	39 60 16	23 39 11	1,914 4,340 1,722	7,919 16,872 6,972	1,670 3,924 1,467	3,314 7,654 2,852	6,385 13,550 5,185	14,745 31,874 14,001	(Z) 1,054 1,284	2,319 4,507 398	12,017 23,963 7,538
228 229	wool	37 47 93	26 33 31	4,119 4,312 3,259	20,481 16,642 13,825	3,496 3,885 2,779	7,283 7,513 5,442	15,308 13,592 10,765	33,218 22,563 21,608	1,880 673 1,028	5,945 6,241 4,484	29,611 31,385 23,716
23 233	Apparel and related products Women's and misses' outer-	76	34	3,597	11,014	3,215	5,700	9,160	20,411	(Z)	4,250	20,520
238	wear Miscellaneous apparel	21 12	17 5	1,183 381	3,323 1,229	1,102 322	1,799 501	2,925 969	4,197 1,778	(Z) (Z)	849 551	2,579 3,120
24	Lumber and wood products	52	7	488	1,893	399	769	1,430	3,138	(Z)	350	2,315

1963 CENSUS OF MANUFACTURES

Table 3.—CENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958—Continued

(See text for explanation of column captions)

						196	3			<u> </u>	19	58
Code	Industry group	Establi num	shments,	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
25	Furniture and fixtures	34	9	746	3,876	561	1,124	2,649	7,056	(Z)	606	4,196
254	Partitions and fixtures	12	5	273	1,846	208	466	1,356	3,121	(z)	232	1,569
26 265	Paper and allied products Paperboard containers and	48	29	2,241	9,629	1,856	3,766	6,770	16,367	942	1,841	11,935
	boxes	28	20	1,583	6,029	1,319	2,551	4,054	9,859	668	1,303	7,140
27 271	Printing and publishing	185 22	34	3,912	23,036	2,625	5,031 1,500	14,764 5,178	38,406	2,580	3,640	29,784
275	Newspapers	121	17	1,617 1,392	23,036 9,883 7,785	822 1,125	2,266	5,895	16,660 12,608	(Z) 1,733	1,499 1,400	13,631 9,915
28 281	Chemicals and allied products.	79	24	2,506	14,625	1,583	3,586	8,243	27,781	4,693	1,612	18,185
285	Basic chemicals Paints and allied products	16 10	10 3	768 274	4,954 1,493	549 85	1,137	2,864 408	13,012 3,040	2,075 (Z)	449 297	6,160 2,659
30	Rubber and plastics products,	70	33	7,679	37,228	6 201	10 20/	27,811	70. 21.2	2 100	r edo	70 (07
307	n.e.c Plastics products, n.e.c	46	18	2,056	8,120	6,381 1,717	12,324 3,238	5,789	79,312 25,553	3,496 2,366	7,589 2,645	70,697 28,908
31	Leather and leather products	31	14	1,200	4,907	1,016	1,963	3,060	10,994	(Z)	1,643	9,522
32 327	Stone, clay and glass products Concrete and plaster	54	13	1,943	10,979	1,547	3,211	8,018	23,281	1,540	1,919	17,162
	products	31	6	340	1,881	222	484	1,163	3,950	(2)	346	3,417
33 335	Primary metal industries Nonferrous rolling and	89	41	9,627	51,474	8,034	16,098	38,741	98,292	5,388	8,577	74,874
	drawing	25	21	6,924	35,504	5,729	11,569	26,584	63,666	3,627	6,086	53,584
34 342	Fabricated metal products Cutlery, hand tools, hard-	354	73	7,521	36,608	6,039	12,082	26,033	63,753	2,689	7,899	56,013
344	ware	24 64	6 11	1,009 779	4,907 3,889	869 572	1,747 1,170	3,704 2,620	7,319 7,481	(Z) (Z)	1,676 873	11,446 6,976
345 346	Screw machine products Metal stampings	54 35	14	1,414 715	7.110	1,151	2,454	5,168	10,847	561	1,360	9,368
347	Metal services, n.e.c	132	18	1,584	3,531 5,646	582 1,393	1,148 2,405	2,425 4,352	6,587 8,788	(Z) (Z)	614	4,865 6,890
349	Fabricated metal products, n.e.c	23	10	1,706	9,998	1,218	2,600	6,533	19,401	975	1,714	14,817
35	Machinery, except electrical	250	44	9,085	53,655	6,317	12,608	32,817	88,562	3,524	8.249	60,989
354	Metalworking machinery	85	15	4,271	26,416	3.092	6,009	16,798	40,772	1.425	4,038	28,254
355 356	Special industry machinery General industrial machinery	42 22	14 7	2,925 792	17,056 4,384	1,893 530	4,052 975	9,809 2,413	30,480 8,138	1,376 (Z)	2,222 903	17,902 7,464
36 367	Electrical machinery	45 11	28	6,975 1,834	30,848 6,734	5,324 1,390	10,220 2,686	18,354 4,026	54,957 13,011	1,471 802	3,465 374	25,063 2,000
37	Transportation equipment:			_,,	-,	-,	,	,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	002		2,000
371	Motor vehicles and equipment	10	4	61.3	2,770	525	1,191	2,313	5,221	575	432	3,520
38	Instruments and related products	42	17	3,473	16,870	2,720	5,406	11,734	27,900	1,156	2,866	19,320
385	Ophthalmic goods	15	7	969	3,727	842	1,554	2,852	5,889	(Z)	863	4,519
39	Miscellaneous manufacturing, including ordnance3	692	192	21,164	83,774	17,602	33,515	58,848	150,238	3,485	22,829	126,320
391	Jewelry and silverware	289	87	8,234	35,830	6,685	13,500	24,901	69,182	1,527	7,841	52,350
394 396	Toys and sporting goods Costume jewelry and notions.	19 3 10	7 84 :	1,884 9,599	6,579 35,817	1,570 8,114	2,736 14,769	4,716 24,937	14,382 56,403	(Z) 1,293	1,266 12,344	8,272 59,141
398 399 190	Miscellaneous manufactures ³ .	62	11	1,009	3,637	847	1,731	2,848	6,172	(Z)	1,083	5,020
	Administrative and auxiliary4.	-	-	1,302	10,112	-	-	-	_	_	1,095	-

⁻ Represents zero. n.e.c. Not elsewhere classified. (2) Less than \$500 thousand.

*Includes expenditures for plants under construction but not in operation.

*The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail.

*Mill appear in the final report for the State.

*Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

*In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

RHODE ISLAND

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEE:: 1968 AME 2754 (See text for explanation of column captions)

-												
						196	3				19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
Code	industry group	Total	With 20 or more	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures, new1	ees, number	manufac- ture
			employ- ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
_			000		(42)		PROVIDENCE		(1-)/	(1-)/		(7=)/
		Cumber ganset towns Attleb	land, Joh t and Nor in Kent C oro city	nston, Lin th Kingsto ounty, Jame and North	coln, North wn towns in stown town Attleboro.	Providence Washington in Newport Rehoboth,	nce, Pawtuc , North Smi County, War County, Bar and Seek	ket, Provide thfield, and rwick city a rington, Bri onk towns in	nce, and Woo Smithfield t nd Coventry, stol, and War Bristol Cou ille towns in	cowns in Pro East Green ren towns i mty, Bellin	vidence Cou wich, and W n Bristol C gham, Frank	nty, Narra- ect Warwick ounty, R.I.; lin. Plain-
	All industries, total ²	2,904	943	125,754	596,409	99,186	196,968	406,358	1,067,491	47,230	r _{127,150}	r _{852,583}
20	Food and kindred products	208	52	5,883	30,119	3,389	6,855	16,020	61,545	3,458	6,351	49,279
202	Dairies	61	20	1,293	6,740	529	1,119	2,546	17,544	1,476	1,617	13,074
205	Bakery products	53	15	2,174	11,183	981	2,176	5,247	17,877	(Z)	2,157	13,382
22 223	Textile mill products Weaving, finishing mills,	321	183	19,853	82,185	17,369	34,564	64,561	139,050	5,714	r _{25,700}	^r 135,063
229	wool	40 83	23 27	1,926 2,637	3,001 11,578	1,680 2,175	3,334 4,331	6,446 8,582	14,883	(Z) 507	2,562 4,184	14,576 22,073
23	Apparel and related products	50	35	3,699	11,404	3,315	5,876	9,499	21,086	(2)	4,370	21,190
27	Printing and publishing	193	35	3,985	23,189	2,709	5,184	15,012	38,857	2,641	3,684	30,145
271	Newspapers	22	7	1,567	9,551	802	1,465	5,069	16,355	(Z)	1,451	13,395
275	Commercial printing	127	18	1,521	8,283	1,230	2,455	6,252	13,384	1,762	1,498	10,504
28	Chemicals and allied products	85	27	2,750	. 15,883	1,806	→, 019	9,274	32,092	4,634	1,698	19,328
30	Rubber and plastics products, n.e.c.	79	38	8,015	38,680	6,660	12,866	28,815	91,541	3,591	7,895	72,477
31 317	Leather and leather products Purses and small leather	39	18	1,527	6,208	1,292	2,478	4,063	12,879	(Z)	2,164	12,395
211	goods	19	10	595	2,118	506	1,003	1,568	3,132	(2)	1,041	+,808
32 327	Stone, clay and glass products. Concrete and plaster products	52 32	1+ 8	1,434 452	8,111 2,549	1,167 332	2,398 702	6,012 1,789	19,052 5,613	995 510	1,918 359	17,130 3,485
33	Primary metal industries	106	51	10,699	57,067	8,899	18,013	42,742	110,836	5,913	9,578	86,727
335	Nonferrous rolling and drawing	31	27	7,821	40,058	6,450	13,156	29,795	70,893	4,079	6,896	60,628
34	Fabricated metal products	399	88	9,718	49,285	7,743	15,909	34,431	85,203	3,755	9,489	65,583
342	Cutlery, hand tools, hardware	25	7	1,109	5,384	955	1,919	4,059	7,887	(Z)	1,89c	12,872
344 346	Structural metal products	68 42	14 12	1,606	9,391 4,739	1,153	2,561	5,917	18,192	572	893	7,116
347	Metal stampings Metal services, n.e.c	164	26	2,112	8,082	714 1,860	1,457 3,348	3,087 6,237	8,081 12,369	(Z) (2)	937 1,849	6,332 9,677
35	Machinery, except electrical	291	47	9,725	57,324	6,787	13,630	35,342	94,330	4,167	9,420	73,246
354	Metalworking machinery	110	16	4,456	27,674	3,248	6,361	17,853	42,424	1,501	4,225	30,530
355 356	Special industry machinery	48	17	3,334	19,331	2,169	4,659	11,205	34,717	1,912	2,435	20,045
359	General industrial machinery. Miscellaneous machinery	24 82	(6	761 882	4,223 4,422	506 707	904 1,389	2,293 3,233	7,060	(Z) (C)	435	15,987 2,740
36	Electrical machinery	52	32	7,588	32,601	6,108	11,962	22,703	63,322	1,945	F4,237	r _{29,612}
38	Instruments and related products	→ 7	20	5,356	25,918	4,024	8,231	17,701	44,779	1,468	÷,539	31,733
39	Miscellaneous manufacturing.											
	including orinance3	775	241	28,715	121,918	23,512	45,813	81,636	214,952	5,562	r30,512	r _{175,386}
391 396	Jewelry and silverware Costume jewelry and notions	341 330	119 97	12,664 12,533	60,449 48,570	9,874 10,683	20,373 19,936	38,343 33,810	10-,-29 84,161	3,328 1,545	r30,512 r11,896 15,446	^r 175,386 ^r 76,946 81,044
	Administrative and auxiliary4	-	-	1,297	10,054	-	-	-	-	-	1,095	-
-												

Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas, or (b) permit further checking of figures for smaller industry groups. Additional metall will appear in the final report for the State.

Includes data for privately womed and/or operated establishments in Major Group 19, "Ordinance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an intergral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE







Area series

preliminary report

Value added by manufacturing in 1963 in the State of South Carolina amounted to \$2,117 million,anincrease of 7 percent from 1962 and 56 percent from 1958. Of this total, \$937 million was contributed by the textile mill products industries and \$334 million by the chemical and allied products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1 .-- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments, ber	All emp	loyees ¹	Pr	oduction worke	rs	Value	Capital	Index of	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963	3,028 (NA) (NA) (NA) (NA) (NA) 2,888	1,078 (NA) (NA) (NA) (NA) 939	261,359 253,043 240,772 240,961 236,548 225,510	1,037,493 973,781 890,618 858,299 815,419 732,149	220,760 215,237 204,892 206,228 203,665 193,936	453,387 442,624 417,946 420,317 417,667 381,540	786,557 743,525 677,235 662,035 634,053 565,014	2,117,387 1,976,809 1,744,862 1,719,328 1,600,423 1,360,135	164,750 165,131 159,034 144,331 95,793 75,617	116 112 107 107 105 100	156 145 128 126 118 100

(NA) Not available.

'Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

'Includes expenditures for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

April 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u> --This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number.--This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture.--This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties! labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports. Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

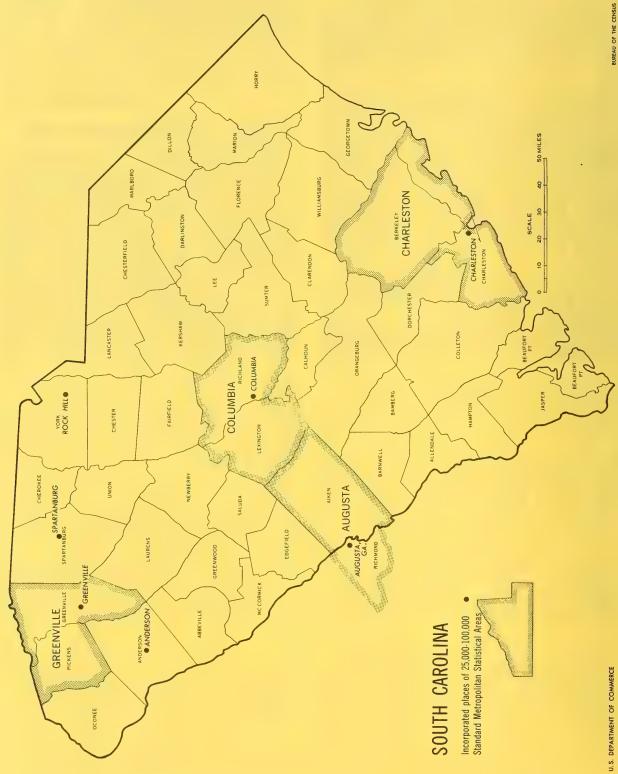


Table 2.--GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTRIES: 1963 AND 1968 (See text for explanation of column captions)

	1963 195													
State, standard metropolitan statistical areas,	Establi num	shments,	All emp	loyees ²		duction work	kers	Value	Capital	All	Value			
and counties1	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)			
SOUTH CAROLINA, TOTAL	3,028	1,078	261,359	1,037,493	220,760	453,387	786,557	2,117,387	164,750	225,510	1,360,135			
STANDARD METROPOLITAN STATISTICAL AREAS														
Augusta ⁴ Portion in South Carolina Portion in Georgia	185	87	25,291	135,909	18,057	37,773	79,215	321,063	11,548	23,130	209,958			
	66	26	14,869	90,448	10,143	21,059	49,649	219,124	4,764	14,840	161,247			
	119	61	10,422	45,461	7,914	16,714	29,566	101,939	6,785	8,263	48,711			
Charleston ⁵	199	72	11,070	48,232	8,899	17,832	34,553	106,003	9,569	10,554	78,118			
	294	104	14,512	56,725	11,532	23,256	39,356	113,070	11,931	11,183	64,175			
	401	164	45,624	177,123	38,275	78,169	132,019	341,939	21,364	36,777	206,424			
COUNTIES1														
Abbeville Aiken Allendale Anderson. Bamberg.	17	7	2,951	11,523	2,606	5,459	9,288	24,104	3,550	2,431	13,245			
	66	26	14,869	90,448	10,143	21,059	49,649	219,124	4,764	14,840	161,247			
	16	4	521	1,514	484	1,005	1,304	2,144	(Z)	465	2,210			
	111	61	18,128	66,434	16,197	33,384	55,439	104,510	7,944	17,220	88,962			
	18	6	583	1,594	525	978	1,352	2,211	(Z)	703	2,531			
Beaufort. Berkeley. Charleston Cherokee. Chester.	17	6	375	1,093	306	513	722	1,351	(Z)	278	1,402			
	38	10	1,166	3,666	1,063	2,056	3,152	7,615	1,063	1,200	5,525			
	161	62	9,904	44,566	7,836	15,776	31,401	98,388	8,506	9,354	72,593			
	46	19	4,795	16,708	4,478	9,397	14,723	35,903	1,454	3,875	17,407			
	60	18	4,856	18,742	4,449	9,556	16,887	38,878	7,035	4,758	26,474			
Chesterfield. Clarendon. Colletom Darlington. Dillon.	69 34 53 49 40	23 9 15 21	2,805 910 1,418 6,083 2,385	8,947 2,489 4,309 28,450 7,451	2,501 843 1,295 5,054 2,057	5,322 1,657 2,400 10,157 4,045	7,459 2,218 3,736 20,871 6,205	14,437 3,630 7,399 53,910 23,675	827 (Z) 511 3,840 1,228	1,820 882 1,005 4,797 1,295	6,629 3,356 3,712 33,603 15,108			
Dorchester	52	11	1,207	4,300	1,019	2,041	3,314	12,615	695	1,586	10,312			
	50	11	1,583	5,410	1,365	2,764	4,067	11,058	1,233	1,468	7,277			
	86	8	2,036	6,464	1,761	3,354	5,087	9,531	624	2,063	9,438			
	101	39	5,345	18,624	4,325	8,607	13,159	43,174	18,666	3,625	16,986			
	76	13	3,225	16,127	2,804	5,448	13,095	48,756	658	2,857	35,162			
Greenville. Greenwood. Hampton. Horry. Jesper.	328	132	35,887	139,739	30,051	60,918	104,480	275,240	15,937	30,007	174,902			
	82	36	11,424	44,376	10,251	21,541	37,738	108,953	12,252	9,628	48,302			
	39	11	1,733	7,423	1,375	2,786	4,862	15,401	787	1,131	8,261			
	68	17	2,174	6,587	1,852	3,558	5,179	10,156	983	1,603	5,384			
	25	3	487	1,071	453	737	942	1,847	(Z)	360	1,118			
Kershaw. Laurens Lee. Lexington Marion.	46	12	3,382	16,964	2,567	5,369	10,757	84,424	3,192	3,313	65,082			
	62	21	7,213	27,983	6,550	13,559	23,203	49,038	6,107	7,398	32,986			
	10	4	500	1,698	437	924	1,361	2,937	(Z)	404	1,645			
	119	40	5,663	22,031	4,688	9,191	15,364	48,821	4,935	2,925	16,056			
	32	15	2,032	5,879	1,783	3,334	4,464	9,983	590	1,608	6,906			
Marlboro.	31	18	3,881	15,452	3,104	6,665	11,020	25,532	4,186	2,211	13,787			
Newberry.	74	16	3,632	11,242	3,305	6,609	9,917	19,920	1,013	3,718	15,526			
Ocomee.	65	24	8,573	30,411	7,377	15,335	24,556	63,725	4,019	6,168	32,615			
Crangeburg	90	39	5,281	20,015	4,326	9,353	14,445	46,319	2,367	3,689	16,336			
Pickens	73	32	9,737	37,384	8,224	17,251	27,539	66,699	5,427	6,770	31,522			
Richland.	175	64	8,849	34,694	6,844	14,065	23,992	64,249	6,996	8,258	48,119			
Saluda	29	11	1,297	3,477	1,102	2,006	2,874	5,850	(Z)	772	2,250			
Spartanburg.	201	92	27,694	106,734	24,337	50,242	86,547	180,085	13,552	25,319	119,968			
Sumter.	78	27	4,209	15,272	3,476	7,289	10,640	27,771	1,463	3,552	16,685			
Union	27	12	5,688	22,560	5,000	10,871	17,961	41,817	2,719	5,510	22,362			
WilliamsburgYork	33	7	1,175	3,744	1,014	1,905	2,927	15,463	533	575	2,611			
	90	37	13,812	59,099	11,795	23,877	46,516	114,088	4,502	13,286	85,848			

⁽²⁾ Less than \$500 thousand.

Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The augusta Standard Metropolitan Statistical Area consists of Richmod County, Ca., and Aiken County, S.C.

The Charleston Standard Metropolitan Statistical Area consists of Berkeley and Charleston Counties, S.C.

The Greenville Standard Metropolitan Statistical Area consists of Greenville and Pickens County, S.C.

1963 CENSUS OF MANUFACTURES

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

						196	3				19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
	Transfer or b	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
	All industries, total2	3,028	1,078	261,359	1,037,493	220,760	453,387	786,557	2,117,387	164,750	225,510	1,360,135
20	Food and kindred products	366	137	11,093	41,602	6,401	13,502	19,474	97,665	7,409	10,346	73,349
201 202	Meat products	63 40	22	2,259	8,428	1,750	3,784	5,470	18,728	3,099	1,961	10,643
202	Dairies Grain mill products	40	20	1,750 825	7,400 3,145	762 527	1,574 1,095	2,874	17,931	796 602	1,958 699	16,054 5,603
205	Bakery products	24	13	1,864	7,967	897	1.941	1,515 3,368	7,410 17,536	676	1,742	13,271
208 209	Beverages Miscellaneous foods and	80	40	2,387	8,768	854	1,834	2,331	19,659	1,260	2,185	16,507
209	kindred products	72	14	877	3,213	637	1,469	2,010	9,436	756	827	6,660
21	Tobacco manufactures	5	5	1,442	4,328	1,320	2,124	3,458	8,896	(Z)	1,343	8,388
22	Textile mill products	306	269	130,147	503,254	118,674	249,788	433,384	937,265	73,997	128,136	665,147
221	Weaving mills, cotton	116	110	67,334	250,979	63,260	132,297	227,520	436,562	36,785	76,450	354,407
222	Weaving mills, synthetics	43	43	23,087	95,189	21,065	46,136	80,099	170,595	10,395	17,962	103,886
223	Weaving, finishing mills, wool	10	10	3,337	13,451	2,715	5,644	9,635	41,956	3,380	2,984	16,715
224	Narrow fabric mills	17	12	1,159	4,505	1,069	2,261	3,803	11,295	(Z)	696	4,631
225	Knitting mills	30	20	3,170	11,190	2,830	5,596	8,947	19,529	909	2,646	9,648
226	Textile finishing, except wool	26	24	19,725	83,488	16,687	35,051	66,327	160,573	16,103	18,447	113,290
227	Floor covering mills	14	8	2 522	10,334	2,143 5,998	4,596	8,001	38,420	1.594	1,442	20,331
228 229	Yarn and thread mills Miscellaneous textile goods	31 19	27 15	6,484	22,224	5,998	12,199	19,434	35,023	2,614	4,676	23,649
				3,329	11,894	2,907	6,008	9,618	23,312	1,821	2,833	18,590
23 2	Apparel and related products Men's and boys' furnishings	21.5 49	169 44	34,223 10,064	95,076 27,059	30,843 9,352	58,706 17,620	80,877 23,913	165,400 43,742	4,260 706	24,456 7,984	85,198 26,832
233	Women's and misses' outerwear		65	12,940	35,570	11,552	22,001	30,456	49,996	1,882	8,316	24,747
236	Children's outerwear	24	21	6,318	17,949	5,563	10,519	14,600	22,915	(Z)	4,778	18,166
238 239	Miscellaneous apparel Fabricated textiles, n.e.c	14 43	10	878 1,865	2,430 5,726	839 1,624	1,660 3,221	2,176 4,663	3,999 13,905	(Z) (Z)	817 1,421	3,537 7,082
24	Lumber and wood products	1,120	176	15,098	40,642	13,417	26,333	34,855	74,125	8,346	16,563	51,886
241	Logging camps and contractors	621	18	2,985	5,870	2,629	4.949	5,243	10,220	2,088	3,302	8,216
242	Sawmills and planing mills	378	102	6,293	16,383	5,527	10,662 7,398	14,194	28,870	3,852	8,340	23,923
243	Millwork and related products Wooden containers	79 14	38 11	3,965 885	12,337 2,428	3,615 816	1,646	10,309 2,148	22,491	1,056 (Z)	3,280 852	13,386 3,135
249	Miscellaneous wood products	28	7	970	3,624	830	1,678	2,961	4,931 7,613	1,208	789	3,226
25	Furniture and fixtures	67	21	3,231	11,981	2,822	5,776	8,700	20,759	931	3,326	13,926
251	Household furniture	52	18	2,969	10,964	2,594	5,336	7,880	18,698	891	3,116	12,992
26	Paper and allied products	36	25	8,809	53,185	7,236	15,117	40,153	142,951	25,873	7,081	83,444
263 265	Paperboard mills Paperboard containers and	5	3	3,587	25,149	2,925	6,226	18,856	76,589	19,579	3,657	55,190
	boxes	16	13	3,267	17,076	2,772	5,495	13,254	34,219	4,330	2,702	21,595
27	Printing and publishing	228	38	3,624	16,615	2,183	4,234	9,136	33,430	1,930	3,135	22,210
271	Newspapers	77 115	17 17	2,193	10,131	1,089 848	1,996	4,514	22,262	64.7	2,014 813	15,651
	Commercial printing			1,058	4,719		1,717	3,486	7,772	1,162		4,912
28 287	Chemicals and allied products Agricultural chemicals	105 43	39 17	16,217 1,310	104,454 4,622	10,046	20,145 2,076	51,763 3,016	334,247 12,634	17,402 1,414	13,825	230,106 6,204
30	Rubber and plastics products,				.,,		2,0.0	2,020	20,004	25.724	2,000	7,254
50	n.e.c	19	10	2,130	11,141	1,550	3,234	6,785	34,494	1,705	953	8,506
32	Stone, clay and glass products.	155	52	6,856	31,245	5,727	12,102	23,839	68,437	8,516	5,306	44,748
325	Structural clay products	16	14	1,296	4,842	1,132	2,278	3,754	6,859	1,240	1.022	4,225
327	Concrete and plaster products		29	1,744	6,346	1,333	2,845	4,087	15,740	2,100	1,377	11,114
33	Primary metal industries	15	7	1,096	4,951	1,029	2,016	4,376	11,175	1,160	704	7,463
34	Fabricated metal products	114	35	4,104	18,498	3,095	6,671	12,236	33,493	2,677	1,992	16,227
344	Structural metal products	84	22	2,097	9,902	1,574	3,566	6,596	15,668	1,502	1,612	14,229
35 355	Machinery, except electrical Special industry machinery	144 52	48 26	8,586 4,889	38,647 22,369	6,742 3,850	14,407 8,088	26,194 15,049	74,142 38,796	4,716	3,770 2,817	23,918 17,769
359	Miscellaneous machinery	43	4	919	4,542	737	1,687	3,537	5,870	1,552 (Z)	490	3,110
36	Electrical machinery	20	13	5,749	20,910	4,531	8,553	13,687	33,715	2,806	1,715	12,337
37	Transportation equipment	31	10	932	4,090	798	1,682	3,214	7,472	(Z)	621	3,265
39	Miscellaneous manufacturing	55	18	3,006	11,468	2,583	5,177	8,112	27,247	953	820	4,837
394	Toys and sporting goods	11	6	1,426	5,408	1,209	2,385	3,685	11,121	(Z)	368	2,158
	Administrative and auxiliary3	_	_	2,969	17,206	_	-	-		_	961	_

-Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

Table 4.--GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 CR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

(See text for explanation of column captions)

				,	or onpauli			<u> </u>				
						196	3				19	58
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital	All employ-	Value added by
0040	Tilden at 1. Or oak	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	₩ages	manufac- ture	itures,	ees, number	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
			GREENVILLE SMSA (Consists of Greenville and Pickens Counties, S.C.)									
	All industries, total ²	401	164	45,624	177,123	38,275	78,169	132,019	341,939	21,364	36,777	206,424
20	Food and kindred products	47	21	1,872	7,253	1,083	2,254	3,403	18,764	562	1,784	13,012
22 221 222	Textile mill products	56 22 11	52 21 11	23,273 9,446 7,424	90,488 33,522 31,130	21,119 8,806 6,744	44,300 17,887 14,957	76,156 29,662 26,249	157,151 51,904 56,312	12,793 7,171 2,771	21,875 9,763 6,676	121,435 44,830 46,974
23 232	Apparel and related products Men's and boys' furnishings.	43 14	34 13	8,695 2,463	26,432 7,027	7,521 2,204	14,084 3,835	20,951 5,829	64,521 15,140	618 (Z)	(D)	(D)
26	Paper and allied products	10	5	937	4,311	769	1,743	3,299	11,766	1,783	693	5,155
27	Printing and publishing	29	5	708	3,390	409	817	1,904	7,449	(Z)	637	4,404
35 355	Machinery, except electrical Special industrial machinery.	49 27	15 12	5,057 3,292	23,669 15,531	3,675 2,412	7,712 5,025	14,456 9,363	40,655 27,633	1,367 989	(D) (D)	(D)
	Administrative and auxiliary3	-	-	311	2,198	-	-	-	-	-	218	-

⁻ Represents zero. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand.

*Includes expenditures for plants under construction but not in operation.

*The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

*In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

U.S. DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE







Area series

preliminary report

Value added by manufacturing in 1963 in the State of South Dakota amounted to \$142 million, an increase of 3 percent from 1962 and 24 percent from 1958. Of this total, \$96 million was contributed by the food and kindred products industries and \$12 million by the printing and publishing industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. For 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	All emp	loyees ¹	Pr	oduction worke	rs	Value	Capital	Index of (1958	change
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963. 1962 ³ 1961 ³ 1960 ⁸ 1959 ³	582 (NA) (NA) (NA) (NA) 575	116 (NA) (NA) (NA) (NA) 109	13,403 14,378 13,793 13,440 13,331 12,901	70,670 68,119 67,181 63,533 62,557 54,786	9,803 10,790 10,095 9,968 10,029 9,631	20,180 20,302 20,963 20,605 20,082 18,608	48,305 47,036 46,262 43,890 44,228 37,452	142,230 137,500 124,139 121,667 132,285 114,256	7,351 (15,817) (10,233) (6,702) (8,881) 5,211	107 104	124 120 109 106 116 100

(D) Withheld to avoid disclosing figures for individual companies. (NA) Not available. TRevised. (X) Not applicable.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are ex-cluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also. companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). iaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll</u>.--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number.--This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

<u>Production workers, man-hours.</u>—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

<u>Production workers, wages.--This item consists</u> of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1967: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

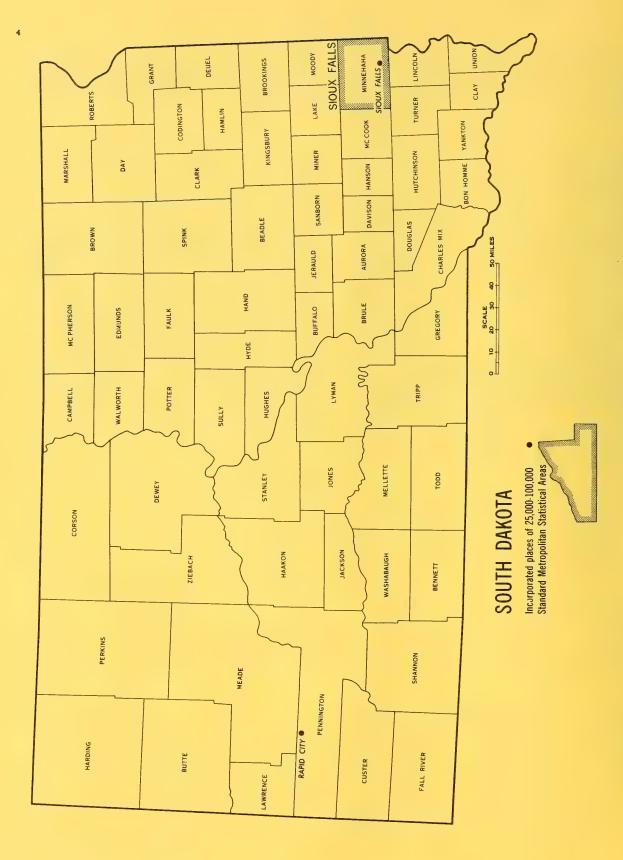


Table 2.—DENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

					196	3				19	58
State, standard metropolitan	Establi num	shments, ber	All emp	loyees ²	Pro	duction wor	kers	Value	Capital	All	Value
statistical areas, and counties ¹	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new (\$1,000)	employ- ees, number 2	added by manufac- ture (\$1,000)
SOUTH DAKOTA, TOTAL	582	116	13,403	70,670	9,803	20,180	48,305	142,230	7,351	12,901	114,256
Sioux Falls ⁴	85	36	6,098	36,956	4,415	8,935	25,365	76,790	2,368	6,085	63,188
Brown Codington Custer Davison Grant	34 23 21 22 9	10 8 2 7 4	771 719 263 453 294	3,896 3,556 827 2,238 1,386	532 555 237 299 222	1,113 1,086 428 569 506	2,436 2,468 695 1,380 914	7,125 6,314 1,257 5,121 2,169	568 (2) (2) (2) 852 (2)	659 688 360 537 277	5,204 4,423 1,320 3,525 1,226
Lake. Lawrence. Winnehaha. Pennington. Yankton.	11 21 85 64 20	4 4 36 14 4	360 410 6,098 1,170 330	1,417 1,572 36,956 5,992 1,361	327 355 4,415 694 235	580 779 8,935 1,496 495	1,229 1,348 25,365 3,258 771	2,078 2,862 76,790 12,491 2,610	(2) (2) 2,368 695 (2)	334 369 6,085 1,226 218	2,049 2,776 63,188 8,477 1,055

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(Con tout for explanation of column contions)

	(See text for explanation of column captions)													
						196	3				19	58		
0.1.		Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by		
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new 1 (\$1,000)	ees, number	manufac- ture (\$1,000)		
	All industries, total ²	582	116	13,403	70,670	9,803	20,180	48,305	142,230	7,351	12,901	114,256		
20 201 202	Food and kindred products Meat products Dairies	165 27 69	56 13 20	7,938 4,937 1,426	45,576 30,784 6,371	5,760 3,995 783	11,935 7,887 1,887	31,848 24,086 3,230	96,459 62,312 18,865	4,371 2,327 804	8,206 4,903 1,329	81,528 53,427 12,801		
24 242	Lumber and wood products Sawmills and planing mills	52 20	8	700 377	2,799 1,586	600 343	1,295 778	2,275 1,387	4,535 2,436	586 (2)	1,040 756	4,816 3,250		
27 271 275	Printing and publishing Newspapers Commercial printing	169 121 37	17 12 2	1,598 1,178 . 269	7,076 5,047 1,376	1,037 772 194	1,970 1,463 390	4,449 3,294 909	12,474 9,245 2,348	727 517 (Z)	1,535 1,072 229	9,841 7,056 1,259		
32	Stone, clay and glass products	70	12	862	3,956	694	1,423	2,736	7,714	884	590	4,672		
34 344	Fabricated metal products Structural metal products	26 18	5 4	535 458	2,530 2,274	374 310	849 722	1,562 1,375	4,371 3,777	(Z) (Z)	473 370	4,250 3,630		
	Administrative and auxiliary3	-	-	88	684	-	-	-	-	-	-	-		

⁽²⁾ Less than \$500 thousand.

1 Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

2 Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

3 Includes expenditures for plants under construction but not in operation.

4 The Sioux Falls Standard Metropolitan Statistical Area is coextensive with Minnehaha County, S. Dak.

⁽Z) Less than \$500 thousand.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage ware-houses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.



PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE

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1963 CENSUS OF MANUFACTURES



Area series

TENNESSEE

preliminary report

Value added by manufacturing in 1963 in the State of Tennessee amounted to \$3,344 million, an increase of 11 percent from 1962 and 52 percent from 1958. Of this total, \$822 million was contributed by chemical and allied products and \$363 million by food and kindred products, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. For 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1. -- GENERAL STATISTICS FOR THE STATE: 1956-1963

(See text for explanation of column captions)

	Establis num	hments,	All emp	loyees ¹	Pr	oduction worker	rs	Value	Capital	Index of	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963 1962 ³ 1961 ³ 1960 ³ 1959 ³	4,718 (%) (%) (NA) (NA) 4,450	1,785 (%A) (NA) (NA) (XA) 1,516	340,670 318,039 304,160 308,1 1 303,929	1,540,172 1,412,065 1,130,437 1,274,528 1,220,079 1,105,137	268,972 250,023 238,127 242,954 240,534 220,823	532,399 500,522 467,794 473,957 470,930 426,647	1,043,861 954,307 870,944 858,799 328,315 739,504	3,343,790 3,016,598 2,753,075 2,586,236 2,513,107 2,207,073	269,992 194,274 192,834 216,806 165,307 131,797	120 112 107 109 1	137

includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages. -- This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

<u>Value added by manufacture</u>.-This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1965: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

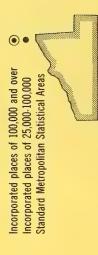
smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

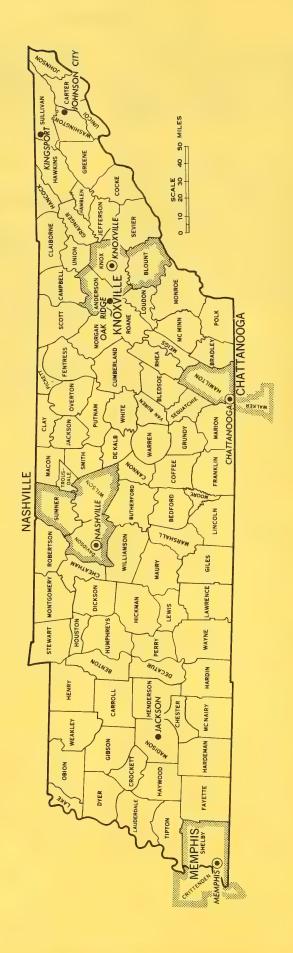
Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

TENNESSEE





TENNESSEE

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

State, standard metropolitan statistical areas, and counties¹ Tota TENNESSEE, TOTAL	ees 18 1,76 45 26 48 3 97 16	0 e Number 5 340,670 3 39,053 9 3,963	Payroll (\$1,000)	Number 268,972	Man-hours (1,000)	Wages (\$1,000)	Value added by manufac- ture (\$1,000)	Capital expend- itures, new ³	All employ- ees, number ²	Value added by manufac- ture
TENNESSEE, TOTAL. 4,' STANDARD METROPOLITAN STATISTICAL AREAS Chattanooge' 4 Portion in Georgia Portion in Tennessee 4	1 or more employ ees 18 1,74 45 24 48 197 14 95 14	Number 5 340,670 3 39,053 9 3,963	(\$1,000)		(1,000)	-	added by manufac- ture	expend- itures, new3	ees,	added by manufac-
TENNESSEE, TOTAL. 4," STANDARD METROPOLITAN STATISTICAL AREAS Chattanooga* Portion in Georgia Portion in Tennessee	ees 18 1,78 45 20 48 3 97 10 95 16	5 340,670 3 39,053 9 3,963	(\$1,000)		(1,000)	-	(\$1,000)			
STANDARD METROPOLITAN STATISTICAL AREAS Chattanooga ⁴ Portion in Georgia Portion in Tennessee	45 20 48 : 97 10	3 39,053 9 3,963	1,540,172	268,972	532,399		(72,000)	(\$1,000)		(\$1,000)
STATISTICAL AREAS Chattanooga ⁴ .	48 : 97 11 95 14	9 3,963				1,043,861	3,343,790	269,992	282,856	2,207,073
Portion in Georgia	48 : 97 11 95 14	9 3,963	1							
Vnovari 1105		4 35,090	193,408 15,349 178,059	30,726 3,509 27,217	61,899 7,543 54,356	136,229 12,593 123,636	404,642 30,818 373,824	21,719 1,817 19,902	40,945 5,493 35,452	337,482 27,479 310,003
Memphis ⁶	58 3	9 47,434	179,595 239,897 236,811 3,086	28,821 34,284 33,480 804	57,004 69,750 67,994 1,756	127,382 153,422 150,981 2,441	437,322 568,804 561,645 7,159	37,134 28,089 27,833 (Z)	F31,133 41,850 41,228 622	284,162 396,948 393,652 3,296
Nashville ⁷	62 2	1 45,885	222,617	34,203	68,258	141,291	479,977	53,093	39,875	304,768
COUNTIES1										
Bedford Bledso∈	17	8 3,393 2 419	10,723 999	3,032 410	5,955 793	8,648 966	20,704	1,091 (Z)	2,750 374	12,618 878
Bradley. Campbell Carroll.	32	7,312 8 1,350 1 3,410	27,969 3,559 9,513	5,993 1,215 3,223	12,620 2,065 6,308	20,136 2,879 8,663	55,686 13,815 17,613	6,059 (Z) 690	5,248 1,431 2,281	33,826 3,893 7,710
Cocke		4 2,187 2 2,975	7,894 10,355	1,850 2,633	3,816 4,974	5,889 8,275	18,568 20,095	800 867	1,438 1,984	8,317 10,561
Cumberland		3 1,118	3,630 197,616 3,761	968 27,585 1,296	1,871 55,370 2,434	2,818 121,153 3,362	6,280 423,456 7,797	523 48,301 (Z)	381 36,111 1,086	1,596 283,073 3,982
DyerFayette	29 :	0 2,029	8,106 2,202	1,661 672	3,548 1,219	5,587 1,856	15,242 3,596	2,658 (Z)	1,576 92	9,666 344
FentressFranklin	24 34	2 266 8 1,631	545 5,440	245 1,484	435 2,861	482 4,804	680 12,27 7	(Z) (Z)	1,064 1,082	2,360 6,999
Gibson		7 6,291 0 1,787	23,528	5,090 1,601	9,459 3,150	16,410 4,881	46,138	2,396 524	2,518	14,560 7,619
Greene Grundy Hamblen	25	2 3,969 2 838 2 7,413	17,254 2,064 28,412	3,111 792 6,202	6,376 1,616 13,121	11,422 1,898 21,678	75,848 2,699 64,925	4,172 (Z) 16,209	2,905 113 5,150	36,143 385 36,744
Hamilton	97 1	4 35,090	178,059	27,217	54,356	123,636	373,824	19,902 901	35,452 527	310,003
Hardeman. Hardin Hawkins	33 28 12	7 1,198 7 1,860 2 854	3,675 6,399 4,560	1,077 1,509 720	1,866 2,725 1,485	3,119 4,718 3,683	7,897 18,392 9,448	1,043 1,655	1,359 886	4,919 5,277
Haywood	17 23	4 621 8 1,858	1,737 5,116	565 1,752	1,062 3,110	1,482 4,569	3,943 12,513	(Z) (Z)	457 680	1,403 2,219
Henry	38 17	9 1,492 879	4,842 3,023	1,343 791	2,475 1,618	3,964 2,641	8,204 5,082	1,306 (Z)	1,233 769	7,663 4,623
Houston. Jackson. Jefferson.	19 5 21	6 558 3 390 8 2,822	1,675 791 10,302	479 355 2,4 80	1,037 552 5,060	1,395 714 8,245	3,127 1,157 15,479	(Z) (Z) 998	286 332 1,647	954 917 9,713
Johnson	19	3 378	885	347	662	841	1,705	(z)	48	177
KnoxLakeLauderdale	20 1: 12 15	6 23,112 4 350 5 614	92,818 1,012 1,729	18,779 303 587	36,894 595 1,136	65,285 824 1,544	209,149 1,917 4,647	8,025 (Z) (Z)	18,981 192 373	129,916 920 1,662
Lawrence	33	8 3,347	14,432	3,014	5,867	10,549	26,894	2,485	2,428	15,036
Lewis. Lincoln. Loudon.		4 1,040 0 1,835 2 2,889	3,110 5,507 10,213	968 1,566 2,532	1,915 3,045 4,927	2,765 4,271 8,149	6,751 9,044 25,174	(Z) (Z) 1,044	1,225 2,686	3,032 6,559 17,558
McMinn		2,009 1 4,727 5 1,149	19,768	3,969 1,051	7,606	14,590 2,723	45,698 8,961	11,133	4,606 950	44,719 4,742
Madison		3,941 1 1,043	16,661 3,903	3,050 897	6,190 1,804	11,206 3,102	27,841 10,019	1,726 616	3,490 757	21,334
Marshall Maury	29 48	4 2,301 5 3,878	9,776 20,978	1,860 3,233	3,810 6,673	6,638 15,879	20,133 70,527	802 3,568	2,302 3,555	19,013 55,067
Monroe. Montgomery.		3 1,649 5 3,453	4,935 15,773	1,469 2,652	2,728 5,619	4,020 10,518	8,277 28,759	(Z) 2,057	1,314 2,576	6,015 15,900
Morgan Obion	23 32	4 267 7 3,110	517 10,424	235 2,935	5,679	457 9,458	949 33,881	(Z) 504	261 1,992	1,001 12,584
Overton	22 13	5 1,508 1 394	3,521 851	1,455 375	2,807 617	3,202 811	5,350 1,221	(Z) (Z)	1,234 215	3,069 491
PutnamRhea	28	8 4,303 2 1,797	14,019 5,220	3,675 1,640	7,237 2,992	10,359 4,259	26,016 10,136	1,520 (Z)	2,199 1,191	9,560 7,342
Roane. Robertson. Rutherford.	29	1 10,869 9 1,289 4 2,440	74,897 4,785 10,024	4,466 1,096 1,881	8,685 2,227 3,864	19,727 3,691 7,096	79,650 11,045 32,129	(D) (Z) 1,236	r _{12,831} 1,228 1,604	98,270 7,579 13,301

See footnotes at end of table.

1963 CENSUS OF MANUFACTURES

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958—Continued (See text for explanation of column captions)

					196	3				19	58
State, standard metropolitan	Establi num	shments, ber	All emp	Loyees ²	Pro	duction wor	kers	Value	Capital	All	Value
statistical areas, and counties ¹	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
COUNTIES1—Continued											
Scott. Sevier. Shelby. Smith. Sullivan.	30 33 758 12 108	7 5 325 4 43	893 789 46,496 782 20,417	2,311 3,071 236,811 1,794 129,104	855 676 33,480 743 14,670	1,543 1,477 67,994 1,365 29,201	2,067 2,361 150,981 1,617 80,008	3,918 4,437 561,645 2,345 245,723	647 (Z) 27,833 (Z) 24,401	641 744 41,228 558 18,331	2,329 4,178 393,652 1,813 179,945
Summer. Tipton. Trousdale. Unicoi. Warren.	44 18 8 22 46	18 9 4 5	4,293 483 660 914 3,350	13,145 1,750 1,848 3,574 10,190	3,958 347 592 792 2,984	7,424 674 1,077 1,573 5,775	11,318 1,076 1,575 2,697 8,448	33,483 3,327 3,388 5,738 24,179	2,063 (Z) (Z) 610 949	2,391 646 199 482 2,126	14,905 3,493 644 1,804 8,458
Washington Wayne Weakley White Williamson Wilson		28 5 11 9 5 20	4,125 1,133 2,061 1,930 957 3,115	15,904 3,504 6,187 5,019 3,625 11,856	3,250 968 1,852 1,795 788 2,660	6,502 1,770 3,411 3,634 1,579 5,464	10,610 2,841 5,067 4,320 2,371 8,820	26,859 6,516 11,410 12,450 5,869 23,038	2,761 (Z) (Z) (Z) (Z) (Z) 2,729	3,457 680 1,573 1,710 365 1,373	18,624 3,802 6,532 5,112 1,762 6,790

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

						196	3				19	58
		Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value	Capital	All employ-	Value
Code	Industry group	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	added by manufac- ture	expend- itures, new1	ees, number	added by manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
	All industries, total ²	4,718	1,785	340,670	1,540,172	268,972	532,399	1,043,861	3,343,790	269,992	282,856	2,207,073
20	Food and kindred products	687	322	32,890	143,667	20,142	42,764	78,543	362,969	20,524	29,959	262,904
201	Meat products		47	6,330	30,243	4,956	10,609	21,413	46,912	2,871 3,973	5,284 5,615	40,155 50,530
202	Dairies	118 29	70 16	4,877 2,325	23,581 6,549	2,400	5,178 3,801	4,968	61,130 14,213	502	2,167	14,220
203 204	Canned and frozen foods Grain mill products	102	37	3,614	17,076	2,561	5,509	10,764	83,451	4,575	3,151	38,090
207	Candy and related products	19	5	976	3,905	781	1,534	2,600	8,657	(z)	968	6,143
208	Beverages	106	54	3,679	15,900	1,320	2,875	4,311	51,599	2,648	3,069	24,396
209	Miscellaneous foods and						· ·					
	kindred products	123	43	4,256	20,264	2,760	6,079	11,451	49,040	2,967	3,913	45,608
21	Tobacco manufactures	16	12	991	3,678	847	1,536	2,646	15,680	(Z)	1,153	17,704
22	Textile mill products	151	123	30,326	107,877	27,569	54,394	88,230	183,342	12,890	29,801	156,092
225	Knitting mills		74	18,433	59,658	16,910	31,651	49,080	98,625	6,812	17,306	81,120
226	Textile finishing, except											
	wool	10	8	2,129	8,794	1,801	3,768	6,589	15,314	1,380	1,777	12,509
227	Floor covering mills	12	9	900	3,755	777	1,647	2,594	9,429	539	837	6,826
229	Miscellaneous textile goods	18	12	1,325	5,362	1,212	2,495	4,506	9,915	(Z)	1,453	9,692
23	Apparel and related products	255	194	53,324	142,958	49,576	92,553	124,684	276,087	4,446	38,127	136,737
231	Men's and boys' suits and		_,	5 000	17.492	5,691	11,097	14.647	37,299	(Z)	2,873	12,887
	coats	15	14 107	5,987 32,815	85,359	31,034	58,096	77,017	171.056	3,159	28,145	93,524
232	Men's and boys' furnishings	111 37	29	7,172	18,984	6,341	11,786	16,262	31,788	(z)	2,795	11,453
233 238	Women's and misses' outerwear. Miscellaneous apparel		11	1,733	4,662	1,631	3,093	4,156	6,848	(z)	890	2,980
239	Fabricated textiles, n.e.c		19	2,482	7,717	2,067	3,823	5,605	13,266	(z)	2,120	10,156
237	rabilicated textiles, mesessis	0,5		2,.02	.,	_,	- ,					
24	Lumber and wood products	1.071	168	16,965	49,070	14,982	29,032	40,120	88,897	5,914	17,514	65,347
241	Logging camps and contractors.	187	-	666	1,042	589	1,102	922	1,865	(Z)	475	1,276
242	Sawmills and planing mills	732	110	10,893	29,824	9,602	18,843	24,913	55,586	4,459	11,426	39,939
243	Millwork and related products.	70	19	1,640	6,311	1,383	2,932	4,686	11,115	(Z) (Z)	2,057 1,645	9,804 7,198
244	Wooden containers	19	10	1,662	5,329	1,543	2,593	4,379	9,062	512	1,645	7,130
249	Miscellaneous wood products	63	29	2,104	6,564	1,865	3,562	5,220	11,269		ĺ	
25	Furniture and fixtures	237	107	18,120	63,006	15,556		49,455	108,371	5,391	12,061	60,627
251	Household furniture		89	16,855	51,519	14,496		45,276	97,155	4,882	11,314	56,244
253	Public building furniture	12	6	360	1,177	306		926	2,331	(Z) (Z)	270 304	1,165 1,859
254	Partitions and fixtures	32	10	657	2,851	531	1,114	2,083	6,409	(2)	304	1,009

See footnotes at end of table.

⁽Z) Less than \$500 thousand.

*Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

*Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

*Includes expenditures for plants under construction but not in operation.

*The Chattanooga Standard Metropolitan Statistical Area consists of Hamilton County, Tenn.; and Walker County, Ga.

*The Momoyille Standard Metropolitan Statistical Area consists of Anderson, Blount, and Knox Counties, Tenn.

*The Memphis Standard Metropolitan Statistical Area consists of Davidson, Summer, and Wilson Counties, Tenn.

TENNESSEE

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958—Continued

(See text for explanation of column captions)

_	Industry group	1963 1958										
Code		Establishments,		All emp	All employees		Production workers			Capital	All	Value
		Total.	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	Value added by manufac- ture (\$1,000)	expend- itures, new (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
26 264 265	Paper and allied products Paper and paperboard products.	81 25	63 15	9,975 2,602	58,353 13,319	7,816 2,198	16,506 4,496	41,648 10,076	148,879 42,425	12,100 993	9,072 2,455	110,354 27,651
265	Paperboard containers and boxes	42	35	2,593	12,207	2,096	4,379	8,534	21,950	1,699	2,461	16,626
27 271 272 273 275 279	Printing and publishing	506 114 39 14 262 38	102 27 8 7 44 8	13,663 4,549 807 1,950 5,122 700	72,057 24,139 3,118 10,430 27,511 4,658	9,060 2,411 271 1,404 4,049 550	17,953 4,483 461 2,998 8,203 1,090	46,191 12,292 1,037 7,250 20,808 3,488	127,147 45,385 5,198 19,722 46,010 6,211	6,961 2,383 (Z) 1,648 2,164 (Z)	12,245 4,230 405 2,357 4,087 491	98,023 36,921 3,012 23,106 26,591 3,888
28 281 282 283 284 285 289	Chemicals and allied products Basic chemicals Fibers, plastics, rubbers Drugs Cleaning and toliet goods Paints and allied products Miscellaneous chemical	204 54 13 22 48 17	95 30 10 12 10 6	39,971 16,299 16,594 2,267 810 457	270,120 120,323 113,962 12,063 3,451 2,521	26,950 10,294 12,108 1,283 438 234	53,512 20,914 23,496 2,652 864 494	152,955 65,848 68,663 4,683 1,271 989	821,998 399,229 300,863 53,182 22,346 4,664	118,412 65,568 49,745 1,346 (Z) (Z)	38,128 15,588 16,959 1,852 697 452	535,125 264,933 202,183 31,450 9,969 3,863
30	products	23	9	1,955	10,961	1,445	2,749	7,196	20,895	763	1,218	11,096
306	Rubber and plastics products, n.e.c	57 17	38 16	7,752 1,956	45,510 9,073	6,525 1,594	13,204 3,266	36,275 6,217	82,442 16,782	4,862 2,515	5,032 929	66,562 7,966
31 314	Leather and leather products Footwear, except rubber	77 39	59 38	15,679 12,846	,52,502 42,516	14,539 12,034	27,861 23,068	45,326 37,377	109 ,51 8 88,871	2,238 1,897	11,850 9,699	71,655 60,344
32 326 327 328	Stone, clay and glass products Pottery and related products Concrete and plaster products. Cut stone and stone products	297 10 206 24	92 6 47 7	13,858 1,606 3,845 870	70,010 8,013 14,714 2,869	11,152 1,321 2,673 738	23,228 2,767 5,656 1,473	52,281 5,823 8,955 2,255	176,700 12,312 37,522 3,733	11,720 863 3,590 (2)	10,423 1,509 2,658 845	96,517 8,718 23,171 4,233
33 332	Primary metal industries Iron and steel foundries	77 25	47 20	13,309 3,573	80,844 17,991	11,467 3,080	23,552 6,120	66,979 14,579	167,569 28,454	27,555 725	11,127 2,712	120,697 16,261
34 344 347 348	Fabricated metal products Structural metal products Metal services, n.e.c Fabricated wire products,	307 181 33	121 60 11	16,823 7,849 451	82,581 42,828 1,542	13,172 5,816 389	25,825 11,487 727	56,938 27,849 1,231	144,453 61,307 2,980	6,791 2,805 (Z)	15,611 8,609 281	110,601 59,940 1,601
	n.e.c	17	10	833	3,234	650	1,378	2,100	n,407	(Z)	778	3,372
35 353	Machinery, except electrical Construction and like equipment	271	67 10	10,096	55,394 7.700	7,624 953	15,389 2,032	37,430 4,328	111,483	6,426	8,013 1,496	65,987 10,632
355 356 358 359	Special industry machinery General industrial machinery. Service industry machines Miscellaneous machinery	29 28 21 116	9 8 7 14	1,100 1,234 1,352 1,427	5,181 6,471 6,073 6,542	865 891 991 1,215	1,746 1,873 1,962 2,354	3,864 3,880 3,788 5,216	10,993 11,050 19,028 11,324	(Z) 968 1,222 1,193	1,064 555 700 1,425	6,867 2,896 7,399 12,202
36 363 369	Electrical machinery Household appliances Electrical products, n.e.c	104 27 16	58 21 9	17,752 6,303 663	81,002 25,486 3,101	14,074 5,342 501	28,080 10,844 1,007	55,661 18,764 2,085	230,145 59,388 10,323	10,317 2,922 (Z)	10,708 5,966 424	123,949 60,394 5,486
37 371	Transportation equipment Motor vehicles and equipment	79 43	43 25	11,706 4,705	56,300 20,943	9,398 3,860	18,630 8,109	37,304 14,941	102,554 47,919	8,832 5,123	5,617 2,804	43,658 23,585
39 394 395	Miscellaneous manufacturing, including ordnance ³ Toys and sporting goods Pens, pencils and office	178 36	60 15	7,684 1,585	29,555 4,818	6,458 1,423	12,224 2,393	22,011 4,012	51,327 9,636	2,616	6,394 1,327	40,763 7,299
398 399	supplies Miscellaneous manufactures ³	108	9	1,387 3,933	5,603 16,271	1,129 3,207	2,314 6,238	3,423 12,293	9,808 27,199	(Z) 1,582	1,219 3,299	8,543 22,020
190	Administrative and auxiliary	-	-	9,091	61,489	_	-	-	-	-	6,377	-

⁻ Represents zero. n.e.c. Not elsewhere classified. (2) Less than \$500 thousand.

¹Includes expenditures for plants under construction but not in operation.

²The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

³Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Covernment owned and operated establishments are excluded.

⁴In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as m integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

Table 4.—CENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

(See text for explanation of column captions)

	Industry group	1963										1958	
		Establishments,		All employees		Production workers			Value Capital		All Value		
Code			With 20 or more	N					added by manufac- ture	expend- itures, new1	employ- ees, number	added by manufac- ture	
_		Total	employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
		CHATTANOOCA SMSA (Consists of Hamilton County, Tenn., and Walker County, Ga.)											
	All industries, total ²	445	203	39,053	193,408	30,726	61,899	136,229	404,642	21,719	40,945	337,482	
20 201	Food and kindred products Meat products	54 8	31 4	3,770 465	16,941 1,663	2,233 416	4,542 889	8,705 1,294	40,416 2,827	3,215 (Z) (Z)	3,545 421	39,652 3,487	
202	DairiesBakery products	7 11	8	372 964 379	1,637 4,017	108 537	276 997	602 1,819	2,892 6,694	505	473 778	3,702 6,285	
208 209	Beverages Miscellaneous foods and kindred products	10	5	739	1,918 3,486	99	216 893	378 1,825	4,794 9,119	(Z)	324 764	2,702 13,790	
22 225	Textile mill products	55 22	40 18	8,603 3,280	31,710 10,452	7,949 3,007	16,388 5,599	26,872	64,308 16,051	4,078 (Z)	10,900 4,134	57,841 17,133	
227	Floor covering mills	14	8	1,196	5,137	1,060	2,641	8,336 4,277	19,255	1,100	616	7,932	
23	Apparel and related products Lumber and wood products	17 38	5	721 772	1,978 2,400	674 687	1,260 1,293	1,682 1,852	2,866 4,847	(Z)	1,093	3,465 4,594	
249	Miscellaneous wood products	6	4	292	924	263	467	726	2,499	(z) (z)	192	1,017	
25 251	Furniture and fixtures Household furniture	20 15	7	577 534	1,963 1,760	332 297	683 612	1,531 1,374	3,415 2,926	(Z) (Z)	1,022 977	6,008 5,830	
26	Paper and allied products	9	6	1,087	5,813	877	1,899	4,086	12,057	740	1,361	13,081	
27 275	Printing and publishing Commercial printing	48 35	8 7	947 355	5,424 2,010	569 269	1,128 572	3,055 1,404	8,541 3,202	(Z) (Z)	886 308	7,055 2,187	
28	Chemicals and allied products	27	13	4,268	28,126	3,155	6,381	17,965	105,975	5,981	3,277	71,153	
30	Rubber and plastics products, n.e.c	10	6	282	1,730	190	416	829	5,116	(Z)	277	2,581	
31	Leather and leather products	7	6	628	2,364	537	1,053	1,810	5,221	(Z)	479	2,603	
32 327	Stone, clay and glass products Concrete and plaster products	19 10	14 7	2,768 414	14,592 1,738	2,298 309	4,753 624	10,912 1,070	28,330 3,874	2,620 (Z)	2,486 240	19,100 1,601	
33 332	Primary metal industries Iron and steel foundries	17 6	10 6	3,176 2,609	17,734 14,650	2,666 2,215	5,290 4,413	14,024 11,810	29,257 23,130	653 578	2,528 1,733	21,918 11,251	
34	Fabricated metal products	47	23	7,359	42,559	5,597	11,040	30,118	60,522	1,994	8,461	61,109	
35 355	Machinery, except electrical Special industry machinery	38 10	11 5	1,630 521	8,442 2,696	1,292 392	2,525 798	5,822 1,886	19,588 6,639	571 (Z)	1,893 627	13,735 3,714	
36 363	Electrical machinery	12 5	7 3	1,090 649	5,142 2,760	867 534	1,684 994	3,525 1,015	7,616 4,306	(Z) (Z)	1,139 478	9,875 4,674	
39	Miscellaneous manufacturing	18	4	314	1,186	256	482	908	1,831	(Z)	145	764	
	Administrative and auxiliary	-	-	234	1,393	-	-	-	-	-	218		
				(Ca	onsists of	Shelby Coun	MEMPHIS S ty, Tenn., s		en County, A	rk.)			
	All industries, total ²	789	339	47,434	239,897	34,284	69,750	153,422	568,804	28,089	41,850	396,948	
20 201	Food and kindred products Meat products	112	75 8	8,457 1,138	42,444 6,676	5,286 865	11,180	23,346 4,562	110,835 9,570	7,436	8,475 1,400	74,814 11,533	
202 204 205	DairiesGrain mill productsBakery products	16 18 23	10 11 13	793 1,374 1,723	4,245 7,350 8,118	366 997 996	760 1,995 2,113	1,526 4,649 4,417	10,616 37,658 16,160	1,061 2,497 (Z)	964 889 2,110	8,277 10,243 16,172	
208	Beverages Miscellaneous foods and	10	8	719	3,153	213	457	628	8,038	599	635	5,257	
23	kindred products Apparel and related products	33	23	2,411	11,934 5,542	1,571	3,502 2,708	6,872 4,001	26,734 10,759	1,980 (Z)	2,109 1,830	20,915 8,694	
239	Fabricated textiles, n.e.c	21	9	1,032	3,344	793	1,458	2,089	6,689	(Z)	911	5,306	
24 242 243	Lumber and wood products Sawmills and planing mills Millwork and related products.	69 29 22	33 17 9	4,587 2,679 885	16,737 9,440 3,348	4,081 2,428 757	8,641 5,274 1,573	13,336 7,766 2,474	30,155 18,895 5,884	635 (Z) (Z)	4,960 (D) 1,220	25,037 (D) 5,942	
25 2 51	Furniture and fixtures	46 30	23 18	2,859 2,617	10,608 9,687	2,335 2,144	5,001 4,617	7,301 6,647	15,467 14,033	573 521	2,542 2,372	13,317 12,221	
26 264	Paper and allied products Paper and paperboard products	23 10	22 9	3,765 2,038	21,169 10,829	2,904 1,723	5,973 3,511	14,372 8,298	59,824 36,808	2,772 683	3,541 1,754	41,909 23,628	
27	Printing and publishing	105	17	2,457	14,123	1,507	2,840	8,238	27,954	2,045	1,938	18,190	
28 281 284	Chemicals and allied products Basic chemicals Cleaning and toilet goods	70 17 23	32 7 10	4,191 1,620 689	25,139 11,798 2,986	2,367 983 359	4,959 2,092 704	11,529 6,687 1,055	124,401 59,686 20,800	5,864 4,374 (Z)	3,508 1,399 523	63,909 32,776 8,010	

See footnotes at end of table.

TENNESSEE

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continues (See text for explanation of column captions)

_	Industry group	1963 1955 .										
Code		Establishments,		All employees		Production workers			Value	Capital	All	Value
		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
		MEMPHIS SMEA-Continued (Consists of Shelby County, Tenn., and Crittenden County, Ark.)										
32 327	Stone, clay and glass products Concrete and plaster products.	40 30	16 13	1,281 947	4,366 3,375	797 530	1,721 1,181	2,775 2,073	11,199 8,926	528	699 574	8,280 7,885
33	Primary metal industries	16	8	778	3,674	656	1,400	2,815	4,128	937	541	3,273
34 344	Fabricated metal products Structural metal products	88 55	35 22	2,103 1,544	8,844 6,763	1,624 1,185	3,246 2,357	5,954 4,476	17,390 10,360	777 (Z)	1,662 1,269	12,489 8,836
35	Machinery, except electrical	70	18	3,783	24,726	2,733	5,414	16,601	44,110	2,354	3,477	30,885
36	Electrical machinery	17	6	1,798	8,860	1,593	3,012	7,239	26,328	663	997	11,986
37	Transportation equipment	22	10	1,301	6,203	1,071	2,219	4,436	12,843	860 '	1,128	9,951
39 398	Miscellaneous manufacturing, including ordnance ³	44	13	1,706	5,600	1,503	2,521	4,197	14,908	(Z)	1,199	8,036
399 190	Miscellaneous manufactures ³	23	7	687	2,020	599	908	1,512	4,128	(Z)	424	3,299
	Administrative and auxiliary4	-	-	910	6,896	-	-	-	-	-	570	
		NASHVILLE SMSA (Consists of Davidson, Summer, and Wilson Counties, Tenn.)										
	All industries, total ²	662	281	45,885	222,617	34,203	68,258	141,291	479,977	53,093	39,875	304,768
20 201 202 205	Food and kindred products Meat products Dairies Bakery products	113 21 19 18	57 14 14 7	5,844 1,892 1,152 926	27,644 9,551 6,307 4,610	3,482 1,425 441 540	7,408 2,911 942 1,289	13,936 6,462 1,909 2,187	58,786 12,460 16,266 8,511	2,354 795 721 (2)	5,337 1,410 1,176 1,053	43,095 9,504 10,614 8,371
22	Textile mill products	6	5	1,845	7,150	1,660	3,557	5,462	10,986	558	1,976	12,091
23	Apparel and related products	27	21	4,108	11,817	3,493	6,776	9,062	21,839	1,020	3,211	14,793
24	Lumber and wood products	51	1.2	936	3,368	806	1,669	2,677	5,617	(Z)	893	3,754
25 251	Furniture and fixtures Household furniture	38 26	11 9	1,477 1,234	5,663 4,131	1,312 1,110	2,428 1,995	4,438 3,195	9,631 7,189	(Z) (Z)	1,168 982	7,084 5,506
26	Paper and allied products	12	8	639	2,657	548	1,074	2,004	5,352	(Z)	798	4,784
27 273 275 279	Printing and publishing Books Commercial printing Printing trades services	127 5 61 17	37 4 14 7	5,547 493 2,826 461	29,784 2,430 15,486 2,991	3,707 272 2,290 368	7,341 529 4,587 753	19,651 1,403 12,122 2,257	50,681 6,725 24,786 4,071	1,656 (Z) 852 (Z)	4,735 567 2,294 366	41,213 9,994 15,464 2,750
28	Chemicals and allied products	26	11	3,770	29,371	2,437	4,748	14,199	94,973	(D)	4,537	43,048
32	Stone, clay and glass products	37	14	4,110	25,964	3,461	7,240	20,150	77,629	3,272	2,659	31,696
34 344	Fabricated metal products Structural metal products	63 36	29 14	3,307 1,042	14,960 5,134	2,610 795	5,157 1,563	9,545 3,000	30,799 9,475	2 ,42 6 908	2,481 657	19,069 5,4 85
35	Machinery, except electrical	47	12	1,008	5,389	836	1,777	3,983	9,063	(2)	645	4,687
3 6 363	Electrical machinery Household appliances	30 8	17 7	2,216 1,207	7,572 4,053	1,807 1,049	3,450 1,974	5,490 3,289	17,126 10,735	942 (Z)	3,711 3,119	39,255 34,551
37	Transportation equipment	19	13	3,945	21,937	2,898	5,626	12,563	33,379	4,316	1,123	7,753
	Administrative and auxiliary	-	-	1,290	7,061	-	-	-	-	-	1,959	-

⁻ Represents zero. n.e.c. Not elsewhere classified. (Z) Less tham \$500 thousand.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordinance and Accessories." Government owned and operated establishments are excluded.

Includes data for privately owned and/or operated establishments in Major Group 17, Granular and Schulded.

'In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishments(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics
Part 1, Major Groups 20-28
Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.



U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE







Area series

preliminary report

Value added by manufacturing in 1963 in the State of Texas amounted to \$7,054 million, an increase of 11 percent from 1962 and 40 percent from 1958. Of this total. \$1.654 million was contributed by the chemicals and allied products industries and \$956 million by the petroleum and coal products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1. -- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	All emp	oloyees ¹	Pr	coduction works	rs	Value	Capital	Index of	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963. 1962 ⁹ 1961 ⁹ 1960 ⁹ 1959 ⁹ 1958.	11,402 (10) (10) (14) (10) 10,338	3,391 (NA) (NA) (NA) (NA) 3.088	508.539 F.486,472 F.486,472 F.5.881 F.478,251	2,847,202 r2,no6,103 r2,533,260 r2,-60,109 r2,410,149 r2,039,-57	361,122 351,274 344.604 345,593 347.298 343.092	744,568 726,632 703,206 03-,125 707,882 683,081	1,742,966 1,634,450 1,558,032 1,519,513 1,500,682 1,453,915	7,053.797 6,360,738 6,003,580 5,817,047 5,614,018 5,045,159	5-1,-10 567,:70 646,532 514,534 431,646 611,907	106 104 102 102 103 103	126 126 119 115 111

(MA) Not avsilable. Includes employment and payroll at central administrative offices and auxiliant units. (For a definition of these wits see text.)

The data are estimates derived from a representative sample of manufacturing establishments can vassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

August 1905

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS, A. Ross Eckler, Director



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, Businesses with no employees are exor plant. cluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll</u>.--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number.--This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

<u>Production workers, wages.--This item consists</u> of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture.--This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1967: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

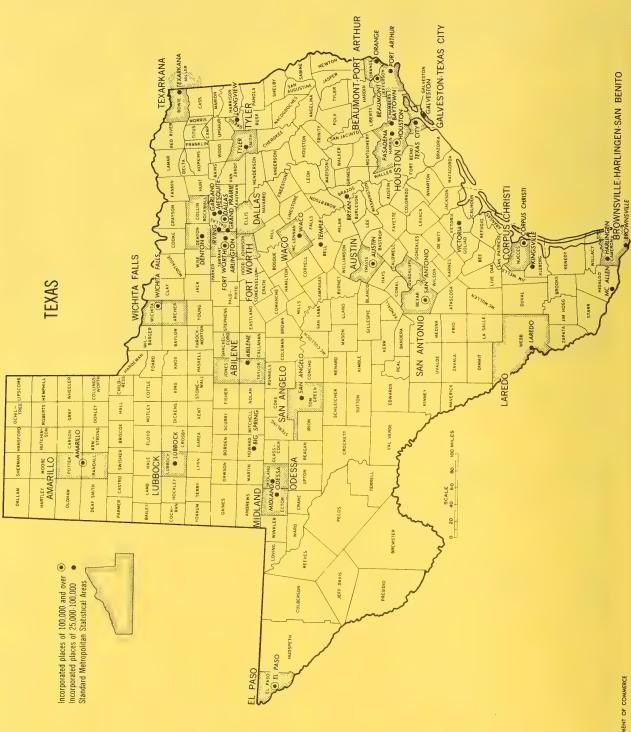


Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

			19	58							
Chata atandard matromalitan		shments,	All emp	loyees ²	Pro	duction wor	kers	77-3	Constant	All	Value
State, standard metropolitan statistical areas, and counties ¹	Total	With 20 or more	Number	Payroll	Number	Man-hours	Wages	Value added by manufac- ture	Capital expend- itures, new ³	employ- ees, number 2	added by manufac- ture
	lotal	employ- ees	Number	(\$1,000)	tentiner	(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
TEXAS, TOTAL	11,402	3,391	508,539	2,847.202	361.122	744,568	1,742,966	7,053,797	541.410	^r 478,251	5,045,159
STANDARD METROPOLITAN STATISTICAL AREAS											
Abilene ⁴ . Amarillo ⁵ . Austin ⁶ . Beaumont-Port Arthur ⁷ . Brownsville-Harlingen-San Benito ⁸ . Corpus Christi ⁹ . Dallasl ⁰ . El Pasol ¹ . Fort Worth ¹² . Galveston-Texas Cityl ¹³ . Houston ¹⁴ . Laredol ⁵ . Lubbock ¹⁶ . Midland ¹⁷ . Odessa ¹⁸ . San Angelol ⁹ . San Antonio ²⁰ . Texarkana ²¹ . Portion in Texas.	108 166 243 265 124 158 2,050 937 95 2,197 40 224 40 120 91 621 91	32 34 599 97 36 500 700 302 28 689 9 600 7 22 22 205 29	3,412 3,656 5,897 32,816 4,778 7,577 104,937 14,607 50,074 9,526 106,059 881 5,453 563 2,223 1,989 23,538 5,647 5,399	14,183 18,933 25,970 233,906 15,551 44,947 586,052 61,283 316,395 71,583 695,124 2,659 25,443 3,red 13,557 7,777 102,904 25,875 24,918	2,393 2,456 3,786 24,200 3,647 4,861 69,924 12,059 33,346 6,921 70,735 70,735 711 3,757 220 1,478 1,375 17,001 4,633 4,433	5,075 5,158 7,761 46,714 7,270 10,209 148,881 24,617 71,595 13,788 146,479 1,400 8,243 466 3,168 2,786 34,636 8,969 8,541	8,382 11,642 14,234 159,348 9,310 27,282 323,835 44,454 176,226 48,861 406,127 2,051 15,649 1,105 8,577 5,010 62,412 20,087	34,702 41,772 48,284 707,746 36,426 109,312 1,164,721 127,965 342,101 1,889,693 4,934 55,412 5,898 62,561 18,348 216,613 44,240 42,522	739 2,178 2,405 78,193 2,310 15,804 63,301 6,316 28,779 39,481 144,599 (2) 3,666 (2) 1,883 903 11,948 793 664	3,572 3,683 4,996 732,550 4,103 7,682 795,465 11,531 756,415 10,962 (1) 404 4,191 492 2,029 2,166 720,919 3,034 2,727	29,804 41,004 41,004 433,445 379,384 22,017 117,822 844,821 91,144 523,283 270,107 (*) 3,979 44,460 4,478 27,812 12,868 161,407 18,540 16,504
Portion in Arkansas. Tyler ²² . Waco ²³ . Wichita Falls ²⁴	26 102 171	5 42 67	7,248 9,516	957 34,151 47,614	200 5,723 7,103	11,046 14,507	23,773 31,529	1,718 74,009 110,266	(Z) 10,196 5,156	5,576 8,857	2,036 39,677 90,934
Wichita Falls ²⁴	136	38	3,423	16,235	2,300	4,745	9,443	30,711	2,464	(D)	(D)
Anderson. Angelina. Bastrop. Bell. Bexar.	27 95 27 69 594	9 28 6 26 197	1,067 5,354 749 2,812 22,604	4,597 28,289 3,017 11,674 99,699	905 4,334 609 2,207 16,225	1,863 9,050 1,425 4,362 33,070	3,714 20,215 2,015 7,493 60,012	10,835 65,920 5,840 24,291 210,185	940 3,500 (Z) 1,286 11,412	959 4,728 739 2,445 19,988	7,081 42,221 4,468 17,218 155,891
Bosque. Bowie. Brazos. Brown. Caldwell.	16 65 37 44 17	4 24 11 15	357 5,399 1,267 1,129 269	1,062 24,918 5,218 3,654 1,027	312 4,433 967 965 228	584 8,541 1,916 1,912 433	793 19,398 3,124 2,776 862	1,620 42,522 9,871 7,089 1,962	(Z) 664 931 (Z)	186 2,727 843 1,087	711 16,504 6,599 6,125 636
Cameron. Cherokee Collin Comal.	124 75 58 24 36	36 25 15 5 14	4,778 2,575 2,247 1,765 1,187	15,551 7,878 8,892 6,763 4,866	3,647 2,305 1,878 1,657 991	7,270 4,384 3,909 3,540 1,886	9,310 6,308 6,429 5,909 3,592	36,426 13,146 15,985 12,145 8,449	2,310 597 613 (D) (Z)	4,103 1,713 1,694 1,910 1,135	22,017 7,742 7,439 12,812 6,673
Dallas. Dawson. Denton. De Witt. Eastland.	1,877 17 53 23 28	650 3 15 6	97,956 292 1,699 1,163 566	556,659 1,064 7,470 3,821 1,553	64,253 253 1,231 945 520	137,016 540 2,566 1,673 975	302,650 369 4,678 2,252 1,372	1,103,553 2,249 15,123 6,711 3,770	53,338 (Z) 2,112 (Z) (Z)	89,871 273 1,463 1,061 552	810,317 2,001 13,234 4,275 2,662
Ector. Ellis. El Paso. Fannin. Fayette.	120 62 250 27 21	28 29 70 7 4	2,223 3,035 14,607 1,023 264	13,557 13,031 61,283 4,332 1,065	1,478 2,562 12,059 882 233	3,168 5,390 24,617 1,871 467	8,577 10,078 44,454 3,572 794	62,561 30,060 127,962 12,939 3,071	1,883 7,238 6,316 765 (Z)	2,029 2,417 11,531 1,244 265	27,812 13,831 91,144 7,918 1,442
Fort Bend. Galveston. Gillespie. Gonzales. Gray.	32 95 17 23 37	13 28 5	2,491 9,526 333 631 1,465	15,918 71,583 1,031 1,490 9,335	1,718 6,921 294 479 1,069	3,697 13,788 594 837 2,501	9,963 48,861 823 1,006 6,187	40,777 342,101 1,655 2,250 39,406	2,346 39,481 (Z) (Z) 2,964	2,294 10,962 313 485 1,107	25,037 270,107 1,030 2,223 22,761
Grayson. Gregg. Guadalupe. Hale. Hardin.	93 95 27 41 28	45 29 8 9	5,762 3,250 934 791 1,355	26,079 16,415 3,205 3,219 4,784	4,441 2,515 776 430 1,186	8,972 5,409 1,566 958 2,421	16,873 11,487 2,400 1,525 3,816	58,763 28,112 6,428 7,275 6,771	2,617 1,217 536 (C)	5,075 3,002 931 454 1,244	40,333 21,849 5,516 3,551 6,300
Harris Harrison Hays. Hendersom Hidalgo.	1,987 59 12 28 139	634 23 3 9 29	94,157 5,066 400 1,920 2,703	611,582 28,838 1,280 7,549 8,779	62,499 3,404 349 1,785 2,030	129,632 6,484 594 2,961 3,926	353,842 15,368 903 5,049 5,662	1,566,747 68,440 3,052 16,499 18,894	110,490 6,245 (Z) 523 1,133	93,220 4,051 201 515 2,741	1,153,967 47,723 1,262 2,690 14,645
Hill. Hopkins. Houston. Hunt. Jasper.	22 25 19 52 52	9 8 5 18 10	822 1,032 426 4,195 1,652	2,625 3,956 1,042 23,961 7,471	715 801 338 2,868 1,392	1,454 1,552 657 5,735 2,995	2,134 2,556 830 13,637 5,671	5,328 10,795 1,457 38,295 20,843	(Z) (Z) (Z) 820 1,946	587 726 327 3,005 1,521	2,125 6,969 1,148 18,398 12,302

See footnotes at end of table.

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958—Continued

					196	3				19	58
State, standard metropolitan	Establi num	shments, ber	All emp	loyees ²	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
statistical areas, and counties ¹	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures, new ³	ees, number ²	manufac- ture
		ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
COUNTIES1—Continued											
Jefferson	214	78	24,893	177,006	18,767	36,116	124,936	544,865	51,819	26,737	258,952
Johnson	41	19	1,533	5,338	1,255	2,419	3,715	11,077	624	1,523	8,898
Kaufman	22	11	577	2,452	461	945	1,728	4,852	509	721	3,666
Kerr	15	4	582	2,301	341	668	1,404	3,776	(2)	262	1,604
Lan r.	50	20	2,221	8,861	1,801	3,667	6,741	27,443	(D)	2,012	12,976
Liv ca.	18	8	484	1,659	400	797	1,241	5,210	(Z)	321	1,836
Lim ston-	13	4	497	1,561	428	949	1,259	2,707	(Z)	487	2,248
Luboock.	244	60	5,453	25,443	3,757	8,243	15,649	55,412	3,666	4,191	44,460
Melenaan,	171	67	9,516	47,614	7,103	14,507	31,529	110,266	5,156	8,857	90,934
Matagorda,	21	5	417	2,200	306	749	1,412	5,770	989	162	1,192
Medina	15	3	443	1,713	342	696	1,249	2,973	(Z)	193	1,331
Midland	40	7	563	3,760	220	466	1,105	5,898	(Z)	492	4,478
Montague Montgomery Moore Nacogdoches Nav.rrc	17	4	350	1,229	274	551	893	2,077	(Z)	344	1,802
	67	14	1,075	4,248	881	1,740	3,283	12,452	1,349	1,126	5,596
	11	7	1,229	8,588	970	2,092	6,545	43,818	5,301	1,223	30,002
	49	17	1,864	6,867	1,521	2,972	5,021	14,129	1,452	1,512	10,707
	40	16	1,945	6,624	1,663	3,229	4,974	13,170	1,070	1,969	11,817
Newton,	21	3	265	892	231	506	774	2,346	(Z)	220	1,760
Nolan,	21	8	810	4,192	619	1,382	2,932	16,167	614	1,037	21,341
Nuecca,	158	50	7,577	44,947	4,861	10,209	27,282	109,312	15,804	7,682	117,822
Orange,	51	19	7,923	56,900	5,433	10,598	34,412	162,881	26,374	5,813	120,432
Palo Pinto	24	12	983	4,378	800	1,584	2,945	9,398	783	657	4,174
Parker,	26	5	615	2,295	527	1,024	1,803	4,432	(Z)	614	5,561
Polk	32	6	881	3,142	795	1,692	2,802	5,105	729	937	3,422
Potter	145	32	3,432	17,707	2,319	4,886	10,994	38,951	2,114	3,465	36,334
Red River	25	3	313	882	259	546	710	1,515	(Z)	428	1,562
Robertson	12	3	277	1,281	234	588	1,028	2,528	(Z)	98	354
Rusk.	43	8	666	2,312	552	1,215	1,792	5,711	(Z)	541	2,967
Shelby.	40	10	1,720	5,164	1,553	3,171	4,312	11,946	514	995	5,446
Smith	102	42	7,248	34,151	5,723	11,046	23,773	74,009	10,196	5,576	39,677
Tarrant	896	283	48,541	311,057	32,091	69,176	172,511	579,588	28,155	54,892	514,385
Taylor.	91	28	3,203	13,177	2,239	4,686	7,671	32,786	638	3,332	27,245
Titus. Tom Green. Travis Tyler. Upshur.	25	9	729	2,796	612	1,258	2,205	7,912	(Z)	614	6,682
	91	22	1,989	7,777	1,375	2,786	5,010	18,348	903	2,166	12,868
	243	59	5,897	25,970	3,786	7,761	14,234	48,284	2,405	4,996	33,445
	28	6	595	1,596	543	1,094	1,301	1,815	(Z)	392	1,746
	27	5	332	1,366	279	511	1,085	2,197	(Z)	243	1,105
Val Verde. Van Sandt. Victoria. Walker. Washington.	13	2	656	1,823	577	1,065	1,462	2,635	(Z)	251	1,153
	14	4	567	2,083	538	1,123	1,921	5,966	(Z)	506	4,527
	36	11	1,549	9,400	859	1,796	4,470	67,673	(D)	991	33,886
	16	2	250	649	216	426	541	863	(Z)	381	1,028
	27	8	844	2,996	686	1,460	2,203	7,561	(Z)	557	3,486
Webt.	40	9	881	2,659	711	1,400	2,051	4,934	(Z)	940	3,979
Wharton	29	4	537	2,419	420	934	1,714	4,814	676	406	2,535
Wiltirger.	19	5	717	2,312	653	1,338	1,888	3,477	(Z)	519	2,641
Willismson.	46	10	935	3,267	736	1,502	2,513	6,296	(Z)	705	4,357
Wood	27	7	501	1,551	441	851	1,281	2,772	(Z)	157	885

(*) See footnote 5 table 4.

(D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand.

**Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

**Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

**Includes expenditures for both plants in operation and for plants under construction but not in operation.

**The Abilene Standard Metropolitan Statistical Area consists of Jones and Taylor Counties, Tex.

**The Amarillo Standard Metropolitan Statistical Area is coextensive with Travis County, Tex.

**The Beaumont-Fort Arthur Standard Metropolitan Area is coextensive with Travis County, Tex.

**The Beaumont-Fort Arthur Standard Metropolitan Area consists of Jefferson and Orange Counties, Tex.

**The Corpus Christi Standard Metropolitan Statistical Area is coextensive with Nucces County, Tex.

**The Pallas Standard Metropolitan Statistical Area is coextensive with Nucces County, Tex.

**The Port Worth Standard Metropolitan Statistical Area is coextensive with El Paso County, Tex.

**The Galveston-Texas City Standard Metropolitan Area is coextensive with Galveston County, Tex.

**The Galveston-Texas City Standard Metropolitan Area is coextensive with Webb County, Tex.

**The Lubbock Standard Metropolitan Statistical Area is coextensive with Lubbock County, Tex.

**The Lubbock Standard Metropolitan Statistical Area is coextensive with Meland Standard Metropolitan Statistical Area is coextensive with Meland Standard Metropolitan Statistical Area is coextensive with Molendard Metropolitan Statistical Area is coextensive with Midland County, Tex.

**The Midland Standard Metropolitan Statistical Area is coextensive with Tom Oreen County, Tex.

**The Standard Metropolitan Statistical Area is coextensive with Tom Or

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY CROUPS: 1963 AND 1958

	(See text for explanation of column captions) 1963 1958													
						196	3				19	58		
		Establi num	shments, ber	All emp	loyees	Pro	duction work	ers	Value	Capital	All	Value		
Code	Industr: group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new 1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)		
	All industries, total ²	11,402	3,391	508,539	2,847,202	361,122	744,568	1,742,966	7,053,797	541,410	^r 478,251	5,045,154		
201 201 202 203 207 208 209	Food and kindret products. Mest products Dairies. Canned and frocen foods Candy and related products. Beverages. Miscellaneous foods and	1,886 343 163 141 61 283	722 128 0 60 12 112	74,971 15,154 10,047 7,040 1,614 9,864	341,830 66,016 49,213 22,021 6,264 48,511	47,361 12,126 3,544 6,105 1,342 4,167	101,562 24,874 8,040 12,229 2,620 9,534	183,931 47,111 14,241 16,358 4,385 17,789	923,362 133,841 123,142 48,899 12,528 144,157	73,960 7,214 4,846 13,495 567 15,555	75,535 15,202 11,421 6,560 1,687 9,126	710,642 100,763 106,515 41,030 12,045 101,915		
22 221 229	kindren products	463 66 12 33	131 27 10 7	11,206 6,461 4,584 910	52,301 22,109 15,526 2,986	7,824 6,081 4,435 750	12,538 9,274 1,492	31,605 19,480 14,319 2,220	216,685 37,089 26,156 5,035	7,956 5,072 3,940 (Z)	7,275 5,366 907	141,163 33,587 23,869 4,976		
23 232 233 234	Apparel and related products Men's and boys' furnishings Women's and misses' outerwear Women's and children's	572 84 163	305 76 121	40,150 17,937 10,265	124,809 52,679 33,681	36,031 16,436 9,024	70,262 31,792 17,908	99,284 43,183 26,297	208,611 89,820 53,910	4,856 2,396 1,109	33,326 12,628 8,167	140,006 49,253 32,933		
236 238 239	unierwear Chiliren's outerwear Miscellaneous apparel Fabricated textiles, n.e.c	19 40 24 193	11 28 11 36	2,034 3,133 782 3,034	6,700 9,052 2,296 10,517	1,827 1,808 701 2,594	3,723 5,420 1,274 5,132	7,960	11,850 14,697 3,887 19,347	(Z) (Z) (Z) 596	1,698 2,966 1,343 3,334	8,039 12,018 5,462 17,642		
24 243 244 249	Lumber and wood products Millwork and related products Wooden containers. Miscellaneous wood products.	928 273 26 106	173 58 10 31	17,515 5,731 871 2,272	59,819 22,785 2,680 7,455	15,258 4,866 800 1,989	31,215 10,099 1,598 4,050	47,794 17,457 2,191 5,909	105,617 41,992 4,220 15,245	8,954 1,971 (Z) 1,181	17,159 3,903 1,740 1,758	78,571 25,263 6,920 10,192		
25 251 252 253 254 259	Furniture and fixtures. Household furniture. Office furniture. Public building furniture. Partitions and fixtures. Furniture and fixtures,	235 16 25 86	113 76 7 11 15	10,662 7,022 300 1,558 1,293	42,628 26,564 1,183 6,210 6,919	8,894 5,909 238 1,294 1,072	17,730 11,722 507 2,468 2,272	4,566	76,392 50,116 2,772 9,026 11,242	2,671 1,497 (I) 546 (Z)	1,3° 6,658 13 1,467 1,370	67,301 43,066 1,642 9,172 9,890		
26	n.e.c	82 150	91	489 11,506	1,752 68,036		761		3,236 148,740	11,821		3,531		
264 265	Paper ani paperboari products : Paperboard containers and	58	30	2,938	15,100	8,687 2,234	4,677	9,798	32,927	2,475	2,748	24,578		
27 271 272 273 275 276	boxes. Printing and publishing Newspapers Feriodicals Books Commercial printing. Manifold business forms	76 1,741 516 109 37 859 31	251 91 5 11 102 12	4,659 30,154 14,316 778 1,258 9,121 1,994	24,515 153,403 72,312 4,378 6,208 46,217 10,213	3,377 18,760 7,775 241 905 6,945 1,558	7,051 36,846 13,293 417 1,783 14,025 3,257	14,645 91,252 36,310 1,294 4,043 32,457 7,151	42,571 186,841 137,769 9,409 13,067 78,589 23,469	4,788 13,330 5,120 (2) (Z) 4,496 1,976	2,706 26,544 13,864 729 1,168 7,461 973	25,800 211,279 113,768 5,791 6,276 54,335 10,188		
278 279	Bookbinding and related work Printing trades services	33 104	12 12	957 1,058	4,011 7,368	763 769	1,509 1,578	2,728 5,438	8,507 11,102	(Z) (Z)	ءرد 924	7,192 8,114		
28 281 282 283 284 285 287	Chemicals and allied products. Basic chemicals Fibers, plestics, rubbers. Drugs Cleaning and toilet goods Paints and allied products Agricultural chemicals	639 140 31 48 108 77	233 75 22 13 18 36 28	44,037 26,108 6,621 1,027 1,481 2,564 2,183	331,290 212,251 50,930 5,649 8,771 15,413 11,752	28,348 16,952 4,543 416 917 1,295 1,436	58,023 34,340 9,487 830 1,904 2,656 2,932	194,716 125,235 33,339 1,593 4,561 6,666 7,126	1,653,810 1,094,934 285,176 14,082 51,770 47,504 49,533	169,521 141,635 16,472 751 966 1,166 2,614	38,808 24,670 4,790 924 1,088 1,940 2,107	1,054,829 747,630 125,545 9,889 32,271 28,329 47,803		
29 291	Petroleum and coal products Petroleum refining	158 38	36 63	35,587 33,307	276,669 265,321	25,426 24,182	49,155 46,566	181,944 176,295		111,073 110,301	42,945 41,124	592,723 572, 22		
30 307	Rubber and plastics products, n.e.c	164 12^	52 35	6,839 3,133	36,643 14,856	5,535 2,463	11,415 5,072	27,028 9,654	97,695 31, 953	4,201 2,318	4,646 1,329	62,379 12,271		
31 314	Leather and leather projucts: Footwear, except rubber	32	1 15	1,813	5,628	1,586	2,914	4,283	8,554	(=)	2,216	7,641		
32 324 325 327 328 329	Stone, clay and glass products. Cemment, hydraulic Structural clay projucts Concrete and plaster products Cut stone and stone products. Nonmetallic mineral products.	805 19 71 544 37 72	274 16 54 154 26	25,078 2,613 5,25 11,810 524 2,488	116,389 15,482 20,174 53,292 2,305 13,139	19,589 2,085 4,453 8,678 3°° 1,8°°	42,597 4,287 9,428 19,630 791 4,097	82,281 11, 26 14,793 35,772 1,699 8,956	301,392 69,915 33,494 134,137 3,834 32,664	37,765 9,394 3,201 13,603 (Z) 9,712	21,228 2,689 5,033 9,277 442 1,789	236,326 62,100 27,505 100,514 2,348 (1,409		

See fortnotes at end of table.

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958—Continued

(See text for explanation of column captions)

						196	3				19	58
Code	Industry group	Establi num	shments, ber	All emp	Loyees	Pro	duction wor	kers	Value added by	Capital	All employ-	Value added by
oode	industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new1	ees, number	manufac- ture (\$1,000)
			663		(ψ1,000)		(1,000)	(41,000)	(42,000)	(41,000)		(41,000)
33 332 333 336 339	Primary metal industries Iron and steel foundries Primary nonferrous metal. Nonferrous foundries Primary metal industries.	199 44 13 61	106 26 13 14	27,906 5,963 6,977 924	176,268 27,754 46,977 4,348	22,791 5,224 5,947 792	46,722 10,395 12,250 1,629	132,004 21,875 38,358 3,381	381,757 46,520 148,049 7,242	20,905 2,539 5,098 (Z)	24,134 5,164 6,822 839	297,968 35,310 125,479 5,341
229	n.e.c	35	22	3,111	21,315	2,178	4,943	13,742	33,472	2,291	771	7,609
34 341 342	Fabricated metal products Metal cans Cutlery, hand tools, hardware	1,010 12 35	314 7 5	33,180 1,978 336	179,235 15,000 1,491	25,275 1,678 275	53,296 3,534 597	122,691 11,934 1,096	312,763 33,208 2,872	17,422 5,937 (Z)	28,827 2,117 219	239,009 26,448 1,629
343 344 345 346 347	Plumbing and heating, except electric. Structural metal products. Screw machine products. Metal stampings. Metal services, n.e.c.	28 567 23 36 126	7 177 10 9 25	1,051 19,372 626 755 1,494	5,140 98,706 3,034 3,275 7,364	784 14,595 413 617 1,246	1,602 30,820 886 1,416 2,602	3,217 66,097 2,036 2,402 5,701	13,773 153,867 4,457 7,094 12,348	740 6,322 (Z) (Z) 805	1,066 17,086 406 535 1,617	9,810 121,731 3,930 3,809 9,913
348 349	Fabricated wire products,	48	16	1,281	6,163	1,003	2,213	4,302	12,524	551	978	8,220
349	Fabricated metal products,	135	58	6,287	39,062	4,664	9,626	25,906	72,620	2,258	4,803	53,519
35 352 353	Machinery, except electrical Farm machinery and equipment. Construction and like	1,332 79	301 21	41,281 1,428	240,416 6,254	29,117 979	60,679 2,055	147,044 3,796	501,640 12,929	17,084 (2)	37,417 1,473	379,355 9,712
355 356 358 359	equipment	250 83 124 101 595	116 23 31 41 47	20,930 3,099 3,463 5,520 4,275	129,068 17,854 20,028 27,939 22,448	14,179 1,963 2,447 4,154 3, <i>5</i> 18	29,564 4,324 5,218 8,355 6,954	76,094 10,146 12,141 17,439 17,257	271,549 34,823 46,392 66,924 38,218	8,632 1,192 1,319 2,155 2,269	20,706 3,149 3,028 4,318 3,579	235,660 29,169 26,436 38,334 30,674
36 363 366 369	Electrical machinery. Household appliances Communication equipment. Electrical products, n.e.c	268 16 32 43	80 5 14 10	25,454 645 8,698 1,321	150,019 2,915 61,335 6,984	17,345 497 4,330 1,100	37,322 1,014 9,960 2,272	84,339 2,058 27,881 5,401	295,649 6,787 134,769 16,274	16,197 (2) 8,968 1,568	10,024 426 3,277 1,101	94,020 3,089 23,516 10,802
37 371 372 373	Transportation equipment Motor vehicles and equipment, Aircraft and parts Ship and boat building	376 139 51 106	130 46 29 29	49,868 7,891 34,074 6,015	360,400 54,869 263,253 34,426	31,432 6,233 18,617 4,977	67,536 15,159 39,661 9,502	189,884 41,380 115,925 26,538	609,822 188,495 358,367 46,794	19,541 5,795 10,883 1,916	64,847 6,004 50,544 6,210	608,318 84,935 469,290 44,307
38 381	Instruments and related products	148 41	36 16	4,784 2,099	23,722 11,845	3,726 1,593	7,266 3,042	15,825 7,533	50,077 17,901	1,735 1,167	4,592 2,466	47,309 17,263
382	Mechanical measuring devices.	31	11	695	3,842	492	1,012	2,703	8,989	(Z)	459	6,521
39 394	Miscellaneous manufacturing, including ordnance ³ Toys and sporting goods	428 89	68 18	10,721 1,881	53,751 6,234	8,646 1,613	16,567 2,978	38,379 4,457	88,131 12,219	4,740 (Z)	5,978 1,118	65,929 6,350
	Administrative and auxiliary4	_	_	9,039	78,434	_	_	_	_	-	11,847	-

⁻ Represents zero. n.e.c. Not elsewhere classified. (D) Withheld to avoid disclosing figures for individual companies.

(Z) Less than \$500 thousand.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Covernment owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary units if it was located at a different general location from the manufacturing establishments) serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

TEB1: -. - JENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH - >, OR MORE MANUFACTURING EMPLOYEES: 1763 AND 1752

				19	58							
		Fetabli	shments,			196					19	
35 te	Industry group	num		All emp			duction wor		Value added by manufac- ture	Capital expend- itures, new 1	All employ- ees, number	Value added by manufac- ture
		Total	employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
					(See fo	otnotes at	DALLAS end of tabl		description)		
	All industries, total ²	2,050	709	104,937	586,052	69,924	148,881	323,835	1,164,721	63,301	°45,465	844,821
_^	Food and kindred products	234	96	12,428	63,209	7,622	17,341	34,273	169,727	11,992	11,967	123,310
201	Meat products	27 17	12	2,058 1,509	12,294 7,760	1,61 546	4,346 1,259	8,625 2,279	20,748	1,711 594	2,191	11,024 20,123
2 3 204	Canned and frozen foods	18	10 10	1,292 758	5,235 3,831	1,143 564	2,468 1,222	4,307 2,697	9,382 9,532	935 (J)	1,236 470	8,747
105	Bakery projucts	28	19	2,922	13,787	1,519	3,184	6,384	26,688	1,141	2,840	5,404 24,515
207	Sanap and related products Beverages	12 23	12	372 1,460	1,950 7,562	335 529	1,206	1,743	4,114 38,402	(2) 4,927	350 1,201	4,266 23,741
209	Miscellaneous foods and			1								
	kingre: projucts	50	27	2,057	10,790	1,377	2,976	6,167	35,633	1,973	1,862	25,490
22	Textile mill products	14	4	811	2,764	746	1,604	2,456	4,116	(2)	1,008	4,161
232	Apparel and related products Men's and boys' furnishings	224	134	12,355	43,704 6,097	10,832	21,694	33,318 5,396	72,338 11,107	1,351 (2)	10,165	48,683 6,129
233 235	Women's and misses' outerwear	97 20	73 10	6,682 939	23,826	5,796 773	11,825	18,229	39,580	771	5,192 928	23,144 5,323
236	Millinery, nats and deps Children's outerwear	14	10,	717	3,884 2,325	621	1,542	2,508 1,645	6,142 3,788	(Z) (Z)	537	2,673
239	Fabricated textiles, n.e.c	5	18	1,384	4,751	1,190	2,373	3,508	7,889	(Z)	932	5,509
24 243	<pre>Lumber an: wors prosucts Millwork ans relates prosucts</pre>	66 50	13 7	919 514	3,221 2,051	7 76 429	1,570 889	2,483 1,574	6,424 4,267	904 768	531 297	3,703 2,247
25	Furniture one fixtures	81		2,350	11,011	1,894	3,856	7,899	21,491	(Z)	2,331	18,909
251	Housen is surmiture	34	16	1,463	6,898	1,188	2,402	5,128	14,495	(Z)	1,475	12,549
254	Partitions has fixtures	24	1 6	573	2,897	471	1,010	1,960	4,178	(Z)	555	4;244
26 26	Paper and allied products Paper and paperboard products	50	30	3,566 1,172	20,108 6,079	2,492 851	5,290 1,774	11,614 3,577	34,790 12,847	3,182 1,121	2,818 1,652	22,154 11,656
265	Paperboard containers and											
	boxes.	23	15	1,997	11,569	1,300	2,674	5,975	18,115	1,863	791	7,601
27 271	Printing the publicating	343 38	66	8,266 2,114	45,377 12,286	5,596 1,061	11,055	27,847 5,891	88,765 27,966	4,570 1,356	7,129 2,188	62,600
273 274	Packs	15 15	5	902	4,693	607	1,247	2,738 1,271	10,576	(Z) (Z)	819 334	6,381 1,934
275	Miscellaneous publishing Commercial printing	199	ء 5خ	441 2,358	1,704	363 1,813	3,658	8,983	2,933	1,445	2,248	18,101
279 279	Bookbinding and related work. Frinting trues permises	13	ń.	414 594	1,774 .,35	348 430	676	1,326 3,186	3,100 6,119	(Z) (Z)	357 478	2,787 4,237
28	Chemicals and allied products	129	→1	3,038	18,301	1,829	3,756	9,503	86,621	2,926	2,329	54,426
281	Basic chemicals	13	ń	341	2,403	235	52	1,507	11,412	1,151	288	9, 04
283 284	Cleaning and toilet goods	1 1-	1.	286 997	1,198 6,222	146 645	282 1,330	523 549 د	2,668 42,913	(Z) 712	273 776	2,399 28,353
285 289	Paints and allied products	14	13	1,036	6,442	568	1,159	2,966	24,031	644	804	13,379
204	Miscellaneous chemical	120	, ,	254	1,469	150	313	683	4,175	(Z)	123	1,941
29	Petroleum and coal products	15	1.	593	3,119	474	1,000	2,170	4,995	(Z)	448	4,673
30	Rubber and plastics products,											
	n.e.c.			1,3	6,040	1,086	2,207	4,214	12,174	61.5	736	8,029
325 325	Store, elsy na glass products. Stractural olymproducts	103	-6 ,	3,387 752	16,532 3,184	2,576	5,704 1,237	10,880	49,109 5,245	10,751	2, 8 16 896	34,007 5,516
327	Connert and plooter products		26	1,815	8,704	1,375	3,146	5,880	22,811	2,619	1,223	12,589
33	Frim m m tal inquotries		11	801	4,029	674	1,438	2,999	11,558	(2)	649	4,706
34 343	Plumbing and heating, except	229	^5	6,138	31,639	4,627	9,963	20,802	58,480	2,997	5,300	38,557
	electric	1 ^	4	601	3,305	387	864	1,764	9,945	643	556	6,206
346	Structural metal products	114	. 5 . 5	3,283 382	16,586 1,769	2,472 305	5,305 652	10,890	26,050 3,760	920 (Z)	3,330 347	21,731 2,711
347 349	Metal s rvided, nd	37	7	422	1,870	348	698		3,208	(z)	259	1,686
ببير	Fabricated metal products, n.e.c	2.5	11	1,008	5,133	747	1,610	3,183	10,038	521	360	3,198
35	Machinery, except electrical	239	6.1	9,027	<i>5</i> 1,173	6,261	13,377	30,885	109,708	4,167	7,143	78,967
53 د	Construction and like	32	18	3,334	19,021	2,158	4,636	10,797	40,650	1,559	3,107	38,664
355	Special industry machinery	25	Q	1,502	8,686	897	1,992	4,720	17,489	630	1,585	15,017
356 359	General industrial machinery. Service industry machines	34	5 17	938 1,757	4,879 9,211	597 1,337	1,191 2,820	3,098 5,789	13,438 21,036	(2) 838	214 946	1,758
359	Miscellan aus machinem	83		527	2,670	444	884	2,194	5,135	(Z)	581	5,498
36	Electrical muchinary Electric distribution	977	37	20,167	122,923	13,056	29,142	66,689	236,839	13,464	7,916	74,347
361	products	1	5	271	1,437	189	362	862	2,649	(Z)	174	1,525
360	Electrical products, n.e.c	15	1 6	746	4,520	593	1,234	3,342	9,664	1,435	617	7,044
3m 3m3	Transportation equipment Ship one bost bullling	57 3	25	14,451 424	106,510	7,717 310	16,657 563	48,108 1,093	178,878 951	4,454	25,888 -31	243,264 3,037
38	Instruments and related	1		424	1,717	, 510	700	1,093	201	(-)	401	5,057
	products	31	6	977	5,623	782	1,497	4,325	8,984	(2)	930	12,717
30	Miscellaneous manufacturing	1 26	13	934	4,052	738	1,447	2,871	8,656	(2)	1,001	8,133
398 329	Micrellaneous monumenture	56	5	647	2,907	5.6	981	2,016	6,116	(2)	737	6,43
190	7						l					
	Administrative and auxiliary3	-	_	3,220	26,095	-	-	-	-	_	4,316	-

See footnotes at end of table.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued (See text for explanation of column captions)

						196	i3				19	58
Code	Industry group		shments,	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
oode	industry group	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	added by manufac- ture	expend- itures, new 1	employ- ees, number	added by manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
					(See fo	ootnotes at	FORT WORT end of tabl		A description	n)		
	All industries, total ²	937	302	50,074	316,395	33,346	71,595	176,226	590,665	28,779	r _{56,415}	523,283
20	Food and kindred products	106	52	6,630	33,525	4,099	8,504	18,519	75,336	7,098	8,675	72,150
201 202	Meat products	13	8 6	2,073 1,021	11,444 4,833	1,584	3,013 749	8,215 1,363	13,841 15,097	(Z) 620	3,742 1,021	23,672
204	Grain mill products	22	11	749	4,125	476	1,075	2,499	14,381	(Z)	908	13,825
205 208	Bakery products	6	2	670	3,335	424	958	1,805	6,700	(Z) (D)	887	6,811
209	Beverages	12	6	475	2,193	152	352	501	6,269	(D)	469	3,234
	kindred products	30	14	837	4,091	541	1,189	2,275	11,458	659	842	7,497
23	Apparel and related products	36	12	1,594	4,756	1,188	2,324	2,994	7,001	(Z)	1,275	6,832
24	Lumber and wood products	58	10	628	2,388	488	947	1,720	3,918	(Z)	311	2,114
243	Millwork and related products	43	7	480	1,964	364	718	1,389	3,209	(Z)	172	1,328
25	Furniture and fixtures	55	19	1,525	5,824	1,300	2,629	4,473	9,487	(2)	1,347	7,880
251	Household furniture	36	14	1,289	4,705	1,095	2,190	3,526	7,488	(Z)	999	5,700
26 265	Paper and allied products	23	15	1,202	6,238	939	1,947	4,274	11,639	1,572	1,013	11,117
200	Paperboard containers and boxes	17	11	996	5,277	769	1,632	3,583	9,637	1,555	899	10,048
27	Printing and publishing	141	20	2,483	13,603	1,533	3,007	8,171	23,300	1,584	2,181	18,791
275	Commercial printing	87	11	1,051	5,529	816	1,699	3,993	8,283	788	825	6,318
28	Chemicals and allied products	43	12	1,165	6,582	663	1,357	2,981	19,642	864	913	12,644
281	Basic chemicals	12	4	312	1,940	225	471	1,329	8,107	(Z)	306	6,853
283 289	Drugs Miscellaneous chemical	6	3	407	2,525	123	243	489	7,451	(Z)	273	2,657
209	products	16	3	325	1,571	242	469	886	2,757	(Z)	250	2,504
29	Petroleum and coal products	9	4	956	4,789	211	435	1,048	11,497	(Z)	956	9,253
30	Rubber and plastics products,				1,700			2,0.0	,	(-)		,,,,,,,
20	n.e.c	30	13	958	4,540	752	1,593	3,173	8,865	873	489	4,181
31	Leather and leather products	12	4	443	1,784	362	714	1,118	3,217	(Z)	496	2,329
32	Stone, clay and glass products.	30	14	1,117	5,956	868	1,927	3,560	12,830	1,388	1,165	14,797
327	Concrete and plaster products	22	11	737	3,963	548	1,251	2,082	7,722	954	594	5,148
33	Primary metal industries	28	13	1,582	9,192	1,347	2,842	7,132	14,530	1,566	1,331	14,612
339	Primary metal industries,	9		284	3 550	218	430	1,030	2,872	(Z)	203	1 777
0.4	n.e.c.		6		1,558				1			1,772
34 344	Fabricated metal products Structural metal products	96 53	22 17	2,459 1,784	12,710 8,828	1,954 1,375	4,138 2,940	8,909 5,925	22,438 13,786	1,846	2,192	17,402 12,537
35	Machinery, except electrical	114	37	4,274	22,809	3,039	6,385	13,961	48,824	1,602	3,966	33,744
353	Construction and like	114	"			5,057	0,505	15,501	40,024	1,002	3,700	35,144
0.54	equipment	17	12	1,458	7,530	1,060	2,158	4,572	13,281	(Z)	1,380	9,673
356 358	General industrial machinery. Service industry machines	13 15	3 8	914 853	4,916 4,329	671 633	1,494 1,260	3,032 2,828	10,614 15,173	(Z) (Z)	695 1,174	5,600
359	Miscellaneous machinery	45	6	450	2,269	359	771	1,694	3,896	(Z)	319	2,856
37	Transportation equipment	73	35	21,196	172,008	13,515	30,770	89,797	302,540	8,903	28,009	286,177
38	Instruments and related											
	products	14	7	308	1,858	218	424	1,081	3,341	(2)	272	3,892
39	Miscellaneous manufacturing,					1- 0				(0)		
394	including ordnance ³	43 10	6 2	553 274	2,517 1,246	417 191	706 287	1,555 635	5,266 2,938	(2) (Z)	527 180	3,722 1,533
398	h	10	-	214	1,240	1/1	207	000	2,950	(2)	100	
399	Miscellaneous manufactures	27	4	261	1,183	213	393	860	2,086	(Z)	193	1,271
190	, !											
	Administrative and auxiliary4	-	_	413	2,708	-	-	-	<u> </u>		1,071	-
					(See fo	ootnotes at	HOUSTON S		A description	n)		
	All industries, total ²	2,197	689	106,059	695,124	70,735	146,479	406,127	1,889,693	144,599	(5)	(5)
20	Food and kindred products	187	81	11,221	60,306	6,742	14,622	31,809	218,786	6,599	(5)	(5)
201	Meat products	33	11	1,592	7,653	1,201	2,405	5,259	15,608	550	(⁵)	(5)
202 204	DairiesGrain mill products	17 25	10 12	1,576 1,235	9,323 7,183	480 758	1,074 1,782	2,227 3,300	21,066 23,030	569 843	(5)	(5)
205	Bakery products	28	12	2,330	13,082	1,471	3,258	7,400	34,129	1,189	(5)	(5)
208	Beverages	16	11	1,171	5,056	407	882	1,439	11,165	1,052	(5)	(5)
209	Miscellaneous foods and kindred products	45	18	2,228	11,845	1,538	3,267	7,611	93,623	1,055	(5)	(5)
22	Textile mill products	10	3	535	1,959	502	1,030	1,702	3,295	(Z)	(5)	(5)
23	Apparel and related products	56	13	1,348	4,816	1,135	2,126	3,491	8,776	(Z)	(5)	(5)
233	Women's and misses' outerwear	9	6	452	1,547	373	664	981	1,833	(Z)	(5) (5)	(5) (5)
239	Fabricated textiles, n.e.c	38	5	756	2,891	635	1,266	2,190	6,279	(Z) (Z)		
24	Lumber and wood products	149	29	2,328	8,270	1,964	3,964	6,284	14,090	1,390	(5)	(5) (5)
243	Millwork and related products	36	9	735	3,228	608	1,307	2,255	5,494	(Z)	(5)	(2)

See footnotes at end of table.

Table 4. GENERAL STATISTICS FOR STATUARD METROPOLITAN STATISTICAL AGEAS WITH - . . OR MORE MANUFACTURIND EMPLOYEES: 1963 AND 1958 - Continues

				19	58							
		Establi	shments,	All emp	loyees	Pro	duction work	kers	Value	Capital	All	Value
Code	Inaustry group	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	added by manufac- ture	expend- itures, new	employ- ees, number	added by manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
							HOUSTON SMSA	-Continued				
25 251	Furniture and fixtures Household furniture	80 39	20 14	1,653 1,163	7,366 4,571	1,383 975	2,834 1,973	5,414 3,255	13,263 8,201	(Z)	(⁵)	(⁵)
254	Partitions and fixtures	19	5	380	2,410	320	672	1,871	4,289	(z)	(5)	(5)
26 265	Paper and allied products Paperbuari containers ani	37	22	3,163	20,679	2,335	5,025	1-,-3	42,381	2,136	(5)	(5)
	toxes	16	11	799	3,992		1,325	2,517	7,364	(Z)	(5)	(5)
271 275	Printing and publishing Newspapers Commercial printing	252 32 161	40 9 21	5,764 2,833 2,183	32,015 15,571 11,527	3,410 1,310 1,612	6,708 2,464 3,294	18,068 7,326 8,075	53,870 25,482 19,034	1,659 (Z) 1,009	(5) (5) (5)	(5) (5) (5)
28 281	Chemicals and allied products Basic chemicals	1 8 0 48	83 34	16,174 10,367	127,431 86,993	10,097 6,470	20,583	71,572 47,924	601,657 415,972	61,373 48,057	(⁵)	(5) (5)
282 287 289	Fibers, plastics, rubbers Agricultural chemicals	13 15	10	2,299 951	17,878 5,936	1,615 672	3,429 1,353	12,249 3,962	95,580 32,435	8,518 1,062	(⁵)	(5)
289	Miscellaneous chemical products	38	13	1,060	7,863	659	1,379	4,121	34,216	3,151	(5)	(5)
29 291 295	Petroleum and coal products Petroleum refining Paving and roofing materials	31 17 8	18 14 4	10,505 10,188 261	90,533 88,921 1,357	6,377 6,148 198	12,344 11,858 419	47,324 46,205 1,006	321,942 317,188 4,159	39,187 38,968 (Z)	(⁵) (⁵) (⁵)	(⁵) (⁵) (⁵)
3C	Rubber and plastics products,	48	1.0	2 /22	F 100	2.2/5	0.200	E 120	3/ 020	926	(⁵)	(5)
306	n.e.c Rubber projucts, n.e.c	13	15 5	1,431 772	7,602 3,932	1,145 656	2,390 1,348	5,416 3,103	14,237 6,548	(Z)	(5)	(5)
32 327 329	Stone, clay and glass products Concrete and plaster products. Nonmetallic mineral products	130 76 28	51 30 9	4,852 2,455 1,236	24,189 11,477 6,952	3,815 1,873 986	8,601 4,480 2,185	17,303 8,155 4,771	61,751 24,202 14,699	5,092 3,018 1,331	(⁵) (⁵) (⁵)	(⁵) (⁵) (⁵)
33 331	Primary metal industries Steel rolling and finishing	65 11		9,670 4,868	69,138	7,429 3,722	15,405 7,357	49,320	131,869 63,046	9,70÷ (2)	(⁵)	(5)
332 336	Iron and steel foundries Nonferrous foundries	13 16	5	756 307	4,122	639 261	1,287 560	2,986 1,212	6,927 3,067	(z) (z)	(5) (5)	(5) (5)
339	Primary metal industries, n.e.c	15	10	2,448	17,559	1,701	3,876	11,345	26,876	2,096	(5)	(5)
34 344	Fabricated metal products Structural metal products	306 153	117	13,611		9,815	21,009	53,709	134,498	5,323	(⁵)	(⁵)
347 348	Metal services, n.e.c	34	59	6,738 520	36,134 2,804	4,671 434	10,122	23,034 2,140	59,229 4,645	2,005 (Z)	(5)	(5)
349	n.e.c	21	, 9	757	3,616	551	1,260	2,264	7,674	(z)	(5)	(5)
	n,e,c	62		3,768	25,694	2,724	5,661	16,784	45,615	1,302	(5)	(5)
35 353	Machinery, except electrical Construction and like	400	100	14,890	96,550	10,062	20,883	57,686	205,542	6,662	(⁵)	(⁵)
354 355	equipment	114	50 5 5	10,536	70,176	6,862 452	14,130 910	40,313	152,695 7,446	4,685 (Z)	(5) (5)	(5)
356 358	General industrial machinery Service industry machines	16 46 18	12	394 876 274	2,629 5,866 1,352	261 559 206	550 1,192	1,+00 3,103 903	5,226 12,121 2,834	(z) (z) (z)	255	25
359	Miscellaneous machinery	175	21	1,494	8,304	1,185	2,384	6,282	13,480	772	(5) (5)	(5) (5) (5)
36 361	Electrical machinery Electric distribution	79	23	2,079	13,003	1,520	3,160	8,081	27,311	1,648	(5)	(5)
364	products Lighting and wiring devices	22 15	€ 6	930 447	6,640 2,569	647 334	1,375	4,070 1,457	13,194 6,339	932 (Z)	(⁵)	(⁵)
37 373	Transportation equipment Ship and boat building	68 37	19 8	2,141 1,354	11,920 8,289	1,704 1,089	3,410 2,190	8,936 6,315	17,809 10,237	991 (Z)	(⁵)	(⁵)
38 381	Instruments and related products Scientific instruments	48 15	10 4	1,054 640	6,310 4,197	722 716	1,404 1,392	3,433 3,405	10,956 10,383	842 701	(⁵) (⁵)	(⁵) (⁵)
	Miscellaneous manufacturing, including ordnance3	69	ا ا	>87	2,856	445	849	1,884	5,337	(Z)	(⁵)	(5)
398 399 190	Miscellaneous manufactures ³	39	5	384	1,997	297	552	1,324	3,734	(2)	(5)	(5)
	Administrative and auxiliary4	-	_	2,961	29,518	-	-		-	-	(5)	(5)

Represents zero. n.e.c. Not elsewhere classified. (2) Less than \$510 thousand.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

The definition of this standard metropolitan statistical area has been revised since 1958. Comparable 1958 data based on the new definition for the area were not available in time for inclusion in this preliminary publication.

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE





1963 CENSUS OF MANUFACTURES



Area series

preliminary report

Value added by manufacturing in 1963 in the State of Utah amounted to \$705 million, an increase of 3 percent from 1962 and 69 percent from 1958. Of this total, \$212 million was contributed by the primary metal industries and \$145 million by the transportation equipment industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1 .- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments, ber	All emp	loyees ¹	Pr	roduction worke	rs	Value	Capital	Index of	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963. 1962 ³ . 1961 ³ . 1960 ⁶ . 1959 ³ .	1,095 (NA) (NA) (NA) (NA) 986	323 (NA) (NA) (NA) (NA) 296	53,329 50,397 46,427 44,708 39,350 37,604	326,371 303,057 272,296 244,249 209,374 185,924	33,374 31,227 29,906 29,583 27,338 26,717	66,837 61,621 59,592 58,243 53,031 52,085	181,518 163,387 153,195 146,317 126,700 120,751	704,629 685,317 631,485 547,372 457,045 417,455	29,757 39,986 35,937 33,756 29,487	142 134 123 119 105 100	169 164 151 131 109 100

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

May 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 193 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>—This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number.-This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages.--This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. -- This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

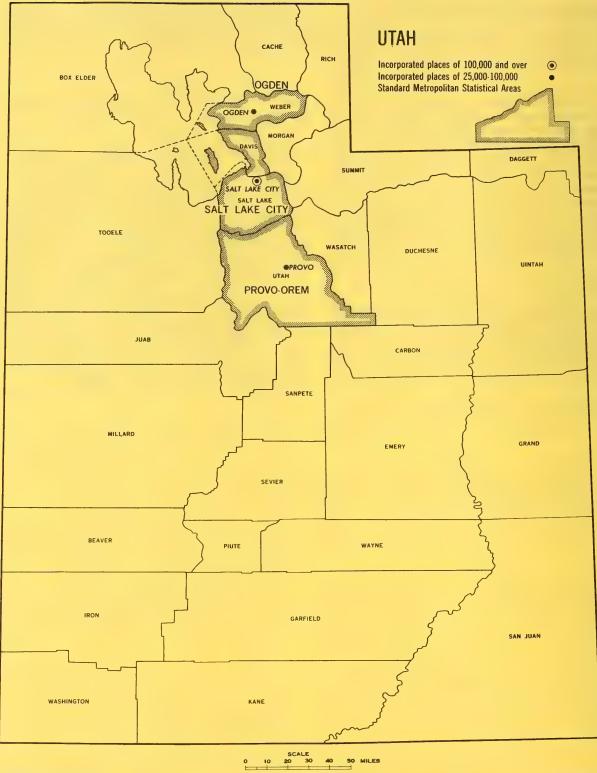
The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



UTAH

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

					196	3				19	58		
State, standard metropolitan	Establi num	shments, ber	All emp	loyees ²	Pro	duction wor	kers	Value added by	Capital	All employ-	Value added by		
statistical areas, and counties	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ³ (\$1,000)	ees, number ²	manufac- ture (\$1,000)		
UTAH, TOTAL	1,095	323	53,329	326,371	33,374	66,837	181,518	704,629	29,757	^r 37,604	r _{417,455}		
STANDARD METROPOLITAN STATISTICAL AREAS													
Ogden ⁴ Provo-Orem ⁵ Salt Lake City ⁶	111 115 628	48 31 193	4,481 6,893 31,777	27,181 48,904 186,544	2,994 5,362 18,543	6,207 10,048 37,351	15,735 34,524 97,365	48,981 141,776 389,831	2,702 6,723 16,739	4,630 7,345 21,030	44,137 114,087 1217,180		
COUNTIES													
Cache	47 43 585 15 11	15 11 182 5 7	1,210 1,305 30,472 452 552	5,253 7,801 178,743 1,977 3,702	942 778 17,765 380 458	1,828 1,636 35,715 767 1,002	3,709 5,041 92,324 1,611 2,652	11,660 23,179 366,652 6,007 7,236	850 1,096 15,643 (Z) (Z)	954 1,062 19,968 430 537	8,911 F13,436 203,744 5,301 5,012		
Utah	115 111	31 48	6,893 4,481	48,904 27,181	5,362 2,994	10,048 6,207	34,524 15,73 5	141,776 48,981	6,723 2,702	7,345 4,630	114,087 44,137		

⁽²⁾ Less than \$500 thousand.

Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The Qegen Standard Metropolitam Statistical Area is coextensive with Weber County, Utah.

The Provo-Orem Standard Metropolitam Statistical Area is coextensive with Utah County, Utah.

The Salt Lake City Standard Metropolitam Statistical Area consists of Davis and Salt Lake Counties, Utah.

1963 CENSUS OF MANUFACTURES

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY CROUPS: 1963 AND 1958

(See text for explanation of column captions)

_												-0
						196	3 				19	58
Code	Industry group		shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
code	industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new1 (\$1,000)	ees, number	manufac- ture (\$1,000)
	All industries, total ²	1,095	323	53,329	326,371	33,374	66,837	181,518	704,629	29,757	r _{37,604}	r _{417,455}
20 201 202 204 207 208 209	Food and kindred products		98 20 17 10 6 12	8,502 1,754 1,927 812 592 708	41,408 9,911 9,422 4,385 2,195 3,371	5,518 1,365 759 563 486 369	11,332 2,793 1,476 1,363 937 741	24,874 7,269 3,262 2,875 1,435 1,525	99,375 17,319 21,702 13,818 3,962 10,101	5,298 863 1,390 807 (Z) 830	8,864 1,822 1,921 858 496 510	83,814 13,780 16,765 17,929 2,616 4,697
23	Apparel and related products	38	19	2,118	5,838	1,987	428 3.448	1,287 4,989	6,815 9,118	(Z)	504 1,638	4,890 6,749
24 241 243	Lumber and wood products Sawmills and planing mills Millwork and related products.	86 35 31	11 5 6	884 458 337	3,482 1,688 1,546	779 425 275	1,562 864 539	2,893 1,482 1,191	4,878 2,209 2,324	664 (Z) (Z)	741 448 234	3,041 1,609 1,137
25 251	Furniture and fixtures Household furniture	45 27	11 7	772 544	3,734 2,490	643 469	1,372 1,005	2,837 1,959	5,616 3,714	(Z) (Z)	606 452	3,769 2,544
27 271 275	Printing and publishing	149 37 75	24 6 9	2,540 1,015 1,094	13,253 5,590 5,651	1,716 573 847	3,362 1,085 1,714	8,956 3,458 4,173	28,599 14,164 10,544	1,026 (Z) 624	2,019 984 755	18,954 10,269 6,337
28	Chemicals and allied products	39	10	771	4,701	535	1,123	3,022	9,263	1,247	1,034	17,287
29 291	Petroleum and coal products Petroleum refining	14 5	7 4	1,000	7,120 6,560	722 647	1,526 1,367	5,141 4,783	24,213 23,178	1,427 1,359	1,080	r _{28,832} r _{28,153}
32 327 329	Stone, clay and glass products Concrete and plaster products. Nonmetallic mineral products	106 72 14	37 27 4	2,742 1,749 321	15,496 9, <i>5</i> 12 1,836	2,069 1,246 274	4,208 2,593 525	11,120 6,423 1,528	35,377 20,923 4,107	2,468 1,666 (Z)	2,604 1,503 354	32,787 16,425 7,284
33	Primary metal industries	18	12	7,449	57,278	6,012	11,370	42,275	212,169	7,492	8,439	140,725
34 344	Fabricated metal products Structural metal products	90 59	36 27	2,7L3 2,26L	15,623 13,441	2,108 1,742	4,308 3,588	11,964 10,240	30,259 24,986	751 563	2,792 2,433	21,390 18,906
35 353	Machinery, except electrical Construction and like equipment	80 11	17 4	3,281 1,444	18,960 8,640	2,171 875	4,483 1,774	12,312 5,269	34,118 10,693	650 (2)	2,258 1,576	25,341 20,079
359	Miscellaneous machinery	37	4	362	1,941	313	634	1,661	2,944	(z)	197	1,495
36	Electrical machinery	17	. 8	1,672	8,154	1,434	3,027	6,490	12,159	(Z)	593	5,300
1	Transportation equipment	40	10	12,584	89,574	4,632	9,561	29,932	145,121	6,711	1,413	9,693
	Administrative and auxiliary3	-	-	892	7,266	-	-	-	-	-	^r 857	-

Represents zero. (Z) Less than \$500 thousand.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas, or (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishments) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

(This State contained no standard metropolitan statistical areas with 40,000 or more manufacturing employees)

PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

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Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

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value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II. Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

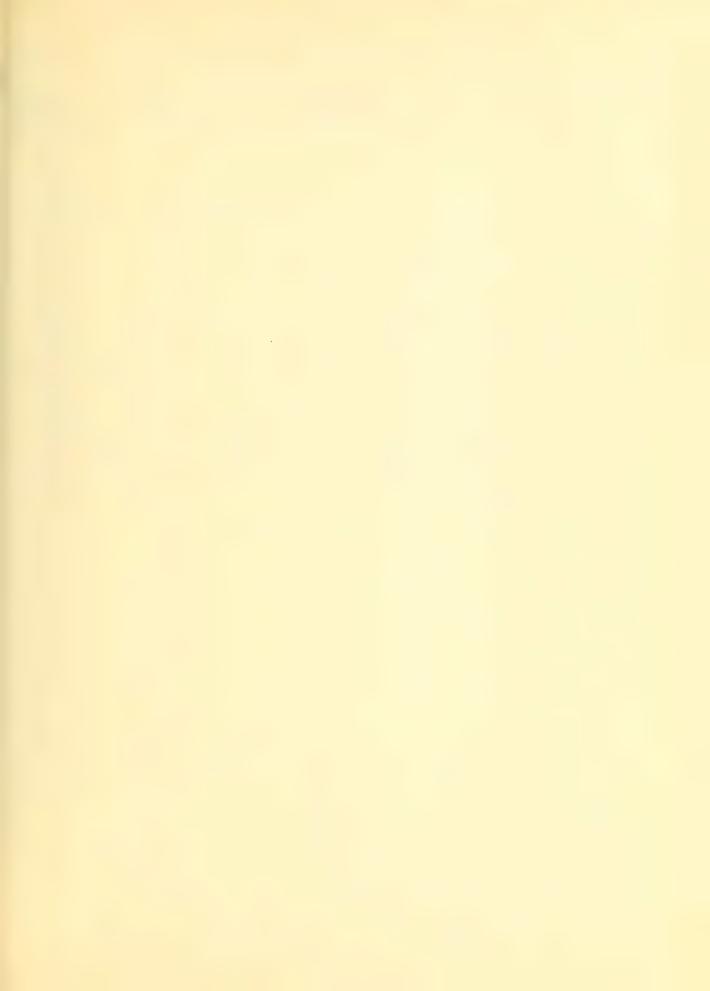
A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

WASHINGTON, D.C. 20233

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1963 CENSUS OF MANUFACTURES



Area series

VERMONT

preliminary report

Value added by manufacturing in 1963 in the State of Vermont amounted to \$309 million, a decrease of 5 percent from 1962 and an increase of 31 percent from 1958. Of this total, \$67 million was contributed by the nonelectrical machinery industry and \$36 million by the food and kindred products industry, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1 .-- GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments, ber	All emp	loyees ¹	Pr	oduction worke	rs	Value added by	Capital	Index of (1958 =	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ées, number	Value added by manufac- ture
1963. 1962 ⁸ . 1961 ⁸ . 1960 ⁸ . 1959 ⁸ .	964 (NA) (NA) (NA) (NA) 1,016	267 (NA) (NA) (NA) (NA) 277	34,042 35,847 34,791 36,415 34,891 32,495	167,756 176,288 158,935 161,051 151,537 132,466	26,065 27,501 26,786 28,493 27,392 25,397	52,562 57,320 54,808 58,421 55,469 50,252	113,773 118,496 107,371 110,876 103,739 92,129	309,416 326,598 286,195 282,458 271,580 235,898	15,837 19,790 18,818 13,749 16,793 11,598	105 110 107 112 107 100	131 138 121 120 115

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates derived from a representative sample of manufacturing establishments canvass of all manufacturing establishments. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors escociated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>—This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

<u>Production workers, wages.</u>—This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1965: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

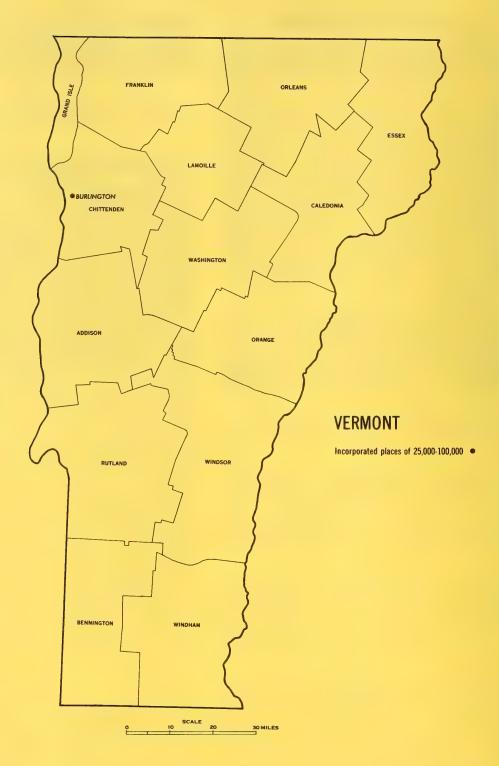
The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



VERMONT

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

(See text for explanation of column captions)											
State, standard metropolitan statistical areas, and counties ¹	1963									1958	
	Establishments, number		All employees ²		Production workers			Value added by	Capital	All	Value
	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
VERMONT, TOTAL	964	267	34,042	167,756	26,065	52,562	113,773	309,416	15,837	32,495	235,898
STATISTICAL AREAS (None in this State)											
COUNTIES1											
Addison. Bennington. Caledonia. Chittenden. Franklin.	40 72 55 105 43	9 33 9 34 11	1,248 3,876 1,447 4,810 1,495	5,296 16,735 6,748 27,639 8,192	1,016 3,160 1,099 2,774 1,182	2,116 5,925 2,176 5,762 2,508	4,002 12,086 4,834 13,251 5,936	11,351 32,659 13,899 45,268 21,540	(2) 1,545 542 2,599 949	1,260 3,387 1,484 4,096 1,699	9,100 24,038 11,658 33,910 18,955
Orange. Orleans Rutland Washington Windham Windsor	49 41 115 154 112 125	8 12 33 45 35 28	854 1,319 4,863 3,196 3,281 6,364	2,967 5,714 21,986 14,373 14,631 38,025	725 1,135 3,953 2,592 2,615 4,665	1,466 2,383 8,227 5,174 5,271 9,224	2,279 4,386 16,418 11,151 11,708 23,365	5,424 10,440 45,772 27,201 26,707 62,838	(Z) 718 2,419 1,030 1,420 3,278	915 1,216 3,896 3,933 3,141 6,052	5,275 6,560 30,050 25,605 24,832 38,314

⁽²⁾ Less than \$500 thousand,

1 Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

2 Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

3 Includes expenditures for plants under construction but not in operation.

1963 CENSUS OF MANUFACTURES

Table 3. - GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

	Industry group	1963										1958	
Code		Establishments, number		All employees		Production workers			Value added by	Capital expend-	All employ-	Value added by	
		Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures, new 1	ees, number	manufac- ture	
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)	
	All industries, total ²	964	267	34,042	167,756	26,065	52,562	113,773	309,416	15,837	32,495	235,898	
20 202 204 205	Food and kindred products Dairies Grain mill products Bakery products	132 69 11 14	37 17 5 5	2,702 1,167 610 417	13,142 5,405 3,404 2,045	1,747 752 467 226	3,655 1,560 975 485	7,517 3,115 2,351 934	35,759 12,891 14,352 3,900	1,675 797 (Z) (Z)	2,876 1,062 811 398	34,294 10,372 13,422 3,383	
22	Textile mill products	19	11	809	2,514	738	1,219	2,215	3,701	(Z)	891	5,188	
23	Apparel and related products	27	15	1,668	4,959	1,506	2,750	4,129	8,074	(Z)	1,882	7,672	
24 241 242 243 249	Lumber and wood products Logging camps and contractors Sawmills and planing mills Millwork and related products Miscellaneous wood products	323 109 150 13 44	42 1 19 6 13	3,461 361 1,389 736 761	11,960 1,063 4,658 2,880 2,636	3,079 327 1,213 661 676	6,225 622 2,404 1,434 1,345	10,058 957 3,819 2,379 2,237	18,497 1,811 6,755 5,134 4,002	1,768 (Z) 923 (Z) (Z)	3,826 337 1,629 1,067 767	17,786 1,428 7,685 4,759 3,827	
25	Furniture and fixtures	23	12	1,705	7,696	1,501	2,999	6,114	12,285	527	1,497	8,380	
26 262	Paper and allied products Paper mills, except building.	23 7	19 6	2,304 658	11,725 3,284	1,877 571	4,065 1,088	8,859 2,696	29,889 3,808	1,337 (Z)	2,364 583	25,116 4,352	
27 271 275	Printing and publishing Newspapers Commercial printing	105 26 56	23 9 6	2,378 636 355	11,250 3,042 1,562	1,741 383 299	3,193 754 593	8,123 1,726 1,268	20,143 5,550 2,412	1,173 (Z) (Z)	2,178 668 323	14,244 4,321 1,761	
28	Chemicals and allied products	13	4	304	1,605	238	540	1,113	3,953	(Z)	207	3,577	
31	Leather and leather products	9	7	748	2,633	576	1,198	2,274	4,463	(Z)	689	3,713	
32 328	Stone, clay and glass products. Cut stone and stone products.	122 101	35 31	3,209 2,971	15,781 14,471	2,746 2,566	5,792 5,382	12,893 12,122	26,057 23,402	1,630 1,127	4,200 3,540	26,623 21,334	
33	Primary metal industries	10	6	604	3,112	474	925	2,037	4,499	(Z)	445	3,893	
34	Fabricated metal products	31	8	708	3,421	560	1,194	2,407	6,208	(Z)	531	4,570	
35 354	Machinery, except electrical Metalworking machinery	64 15	22 9	6,346 4,427	39,383 29,753	4,531 3,111	9,103 6,161	23,829 17,176	67,118 47,597	2,899 2,654	6,134 4,206	41,155 26,478	
36	Electrical machinery	8	6	1,871	10,174	1,451	2,888	6,678	19,938	928	1,397	9,015	
	Miscellaneous manufacturing Administrative and auxiliary ³	25 -	8	487 196	1,607 1,213	394 -	713	1,210	3,720	840	1,516 160	10,819	

n.e.c. Not elsewhere classified.

- Represents zero. n.e.c. Not elsewhere classified. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand.

Includes expenditures for plants under construction but not in operation.

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Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
WASHINGTON, D.C. 20233

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Area series VIRGINIA

preliminary report

Value added by manufacturing in 1963 in the State of Virginia amounted to \$3,064 million, an 7 percent from 1962 and 44 percent from 1958. Of this total, \$611 million was contributed by the chemical industries and \$324 million by the food and kindred products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1. -GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	All emp	loyees ¹	Pr	oduction worke	rs	Value	Capital	Index of	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963 1962 ³ 1961 ³ 1960 ³ 1959 ³	4,493 (NA) (NA) (NA) (NA) 4,414	1,560 (NA) (NA) (NA) (NA) 1,381	302,910 296,134 276,991 272,720 265,629 258,136	1,430,344 1,342,507 1,191,152 1,134,648 1,068,059 986,545	239,377 237,094 221,106 218,394 213,876 204,357	481,627 473,783 433,688 427,727 423,582 397,567	990,713 941,368 824,800 792,260 754,715 686,814	3,064,019 2,850,498 2,506,516 2,433,031 2,381,827 2,122,652	227,023 182,908 178,922 143,340 119,950 146,463	117 115 107 106 103 100	144 134 118 115 112 100

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)
Includes expenditures for plants under construction but not in operation.
The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

<u>Production workers</u>, wages.--This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1967: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

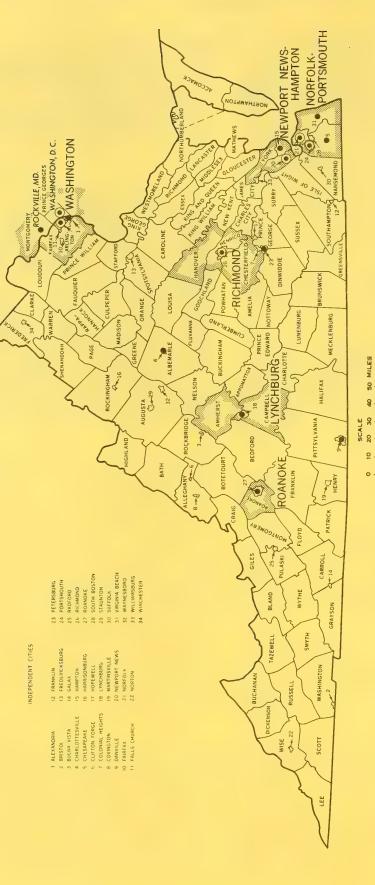
smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)

BUREAU OF THE CENSUS



VIRGINIA

- Incorporated places of 100,000 and over Incorporated places of 25,000-100,000
- •

VIRGINIA

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

			-		196	3				19	58
State, stanuari metropolitan	Establi	shments,	All emp	loyees ²	Pro	duction wor	ķers	Value	Capital	All	Value
statistical areas, and counties1		With 20						added by	expend- itures,	employ- ees,	added by manufac-
	Total	or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	ture (\$1,000)	new ³ (\$1,000)	number ²	ture (\$1,000)
VIRGINIA, TOTAL	4,493	1,560	302,910	1,430,344	239,377	481,627	990,713	3,064,019	227,023	258,136	2,122,652
STANDARD METROPOLITAN	,	-,					,.	-,,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
STATISTICAL AREAS	07.7	95	37.000	96.560	32.050	07. 700	53, 105	165.000	0.050	7.5 000	02.000
Lynchburg ⁴ Newport News - Hampton ⁵ NorColk - Portsmouth ⁶ Richmond ⁷ Roanoke ⁸ Washington ⁹ Portion in Maryland Portion in Washington D.C	211 143 355	75 59 14 6	17,988 24,562 16,119	86,560 156,545 82,233	13,259 22,094 11,568	27,490 43,911 24,324	51,487 138,008 52,491	165,959 208,117 196,892	8,359 5,802 8,793	15,809 17,247 15,202	83,868 125,977 132,916
Richmond ⁷	550 187	222 79	45,955 14,752	256,973 71,391	31,406 11,029	62,443	146,910 45,252	572,259 129,887	47,658 5,280	42,999 14,337	454,651 102,017
Washington ⁹	1,200 417	354 125	49,899 15,908	322,796 106,265	27,874 8,917	55,807 19,005	154,097 48,878	524,768 154,643	31,577 9,250	35,020 9,190	312,152 80,514
Portion in Washington, D.C Portion in Virginia	557 225	154 75	22,262 11,729	148,025 68,506	11,403 7,554	21,643 15,159	65,028 40,191	260,511 109,614	13,491 8,836	21,334 4,496	198,089 33,549
COUNTIES AND INDEPENDENT CITIES10											
AccomackAlbemarle.	47 44	16 13	1,172 4,469	2,917 21,951	1,059 3,315	2,065 6,835	2,468 12,701	4,780 62,846	(Z) 1,810	1,294 2,914	3,697 35,844
Alexandria Amherst	91 49	33 6	3,226 515	18,172 1,650	1,880 453	3,717 924	8,663 1,368	30,387	1,505 (Z)	2,309 229	17,131
Appomattox	19	6	818	2,205	739	1,240	1,899	3,703	(Z)	678	2,015
ArlingtonAugusta	59 38	17	1,368 2,719	7,284 15,507	942 2,062	2,021 4,386	4,391 9,983	11,210 34,932	549 1,978	1,199 2,381	9,181 23,480
BedfordBland	53 15 18	17 3 7	2,487 481 891	10,571	2,070 464 752	4,140 836	7,602 985	23,982	1,102 (Z)	2,010 328	11,729 850
Bristol.	44	24	3,971	3,119 17,003	2,876	1,365 5,720	2,387	10,304 29,595	(Z) 1,227	961 3,434	9,121
BrunswickBuckingham	47 33	17 5	1,151 402	2,919 1.162	1,014 346	1,851 650	2,463 977	4,922 2,164	(Z) (Z)	624 341	1,746 988
Buena Vista	13 51	10	1,120 3,737	4,489 18,208	961 3,105	2,139 6,823	3,622 12,362	11,333 42,537	(Z) 2,804	958 4,602	6,450 17,989
Caroline Carroll	35 45	11	471 944	1,323	400 875	789 1,650	1,113	2,502 6,115	(Z) 522	438 638	1,623
Charlotte	37 37	6 7 15	1,118	2,965 3,717 6,949	979 1,420	2,047 2,885	2,340 3,069 4,740	8,956 18,946	943 1,7 59	1,054 2,035	2,349 4,447 12,444
Chesapeake	46	27	2,476	11,786	1,788	3,730	7,214	24,884	1,224	2,951	24,142
ChesterfieldClarke	36 11	15 4	8,326 745	56,812 2,320	5,762 664	11,677 1,242	34,998 1,875	103,760 4,718	28,939 (Z)	5,454 672	62,906 3,353
Culpeper Danville	33 53	8 32	1,105 12,727	3,910 46,572	925	1,938 21,482	2,983 36,849	9,401 72,382	(Z) 5,121	716 13,145	4,627 69,025
Dinwiddie	19 25	7	360 : 501 :	1,091 1,571	332 430	633 790	1,007	1,528	(Z)	288	842
Essex	59 36	22	6,894 580	41,720 1,484	4,575 549	9,120 877	1,300 26,389 1,344	3,137 66,170 1,910	6,742 (Z)	867 496	1,327 6,053 1,368
FranklinFrederick.	67 26	13 10	1,772	5,934 7,407	1,552 1,499	3,326 3,015	4,636 5,523	15,850 15,967	(Z) 1,442	1,494	7,128 12,293
Fredericksburg	22	11	1,458	5 006	1,215	2,339	3,911	8,363	(Z)	1,428	5,927
GalaxGloucester	22 31	13	2,606 314	8,702 652	2,370 286	4,650 520	6,996 598	16,410 1,779	(Z) (Z)	2,699 446	13,758 1,343
GraysonGreensville	23 31	8 13	2,359 1,238	6,393 4,531	2,211	3,914 2,111	5,613 3,476	9,899 14,938	742 (2)	1,870 1,520	6,834 11,125
Halifax Hanover	28 54	8 11	1,763 1,192	6,977 3,855	1,443 960	2,960 1,860	4,852 2,736	12,915 6,248	803 385	2,088 985	7,331 3,741
Harrisonburg	37 65	20 20	2,329 2,013	7,552 9,961	2,025 1,447	4,134 3,098	5,836 6,030	17,414 20,640	729 1,104	1,598 1,613	8,806 10,701
Henry	75	24	11,566	57,325	9,632	21,041	42,253	192,425	25,933	9,238	138,630
Hopewell	22	8 11	4,914 3,317	30,966 16,686	3,485 2,593	7,392 5,476	20,635	99,452 42,555	11,030 4,633	3,934 2,508	64,676 22,446
Lancaster Louisa Lunenburg	30 50 25	15 15 13	734 787 1,180	1,843 2,016 3,260	620 664 1,067	1,075 1,216 2,046	1,360 1,697 2,729	4,203 4,154 6,066	(Z) (Z) 527	769 937 545	2,083 3,233 1,883
Lynchburg	111	59	13,736	66,702	9,701	19,743	37,757	120,736	5,182	10,878	64,616
Madison Martinsville	22 37	22	7.644	1,259 27,639	453 6,900	821 13,678	1,112 22,147	1,889 52,800	(Z) 5,772	506 5,813	1,410 30,810
Mecklenburg Montgomery	42 29	10 8	3,717 5,624	11,514 28,747	3,293 4,538	6,217 8,746	9,121 20,231	25,079 34,424	1,117 571	3,107 3,721	16,877 20,845
Nansemond	25 70	12 31	589 22,52	2,110 149,020	605 20,581	1,224 41,122	1,641 133,082	3,802 187,310	(Z) 4,861	674 15,483	3,303 107,116
Norfolk City	220	88	11,074	60,522	7,860	16,778	38,804 2,184	146,725 6,168	5,959 (Z)	9,918	91,261 6,291
Northumberland	44	13	868	1,974	767	1,278	1,479	3,716	(Z)	615	2,116
Nottoway Orange	27 20	ε 11	871 1,942	2,477 7,517	788 1,449	1,469 2,999	2,186 4,699	4,862 12,184	599 756	744 1,821	3,158 11,254
Page Patrick	22 60	9 5	1,422 1,131	4,554 3,829	1,289 1,079	2,439 2,156	3,704 3,465	10,600	(Z) 605	1,194	6,452 7,615
Petersburg See footnotes at end of table.	47	26	5,555	23,069	4,835	9,539	18,449	95,826	2,158	5,268	70,570

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958—Continued

(See text for explanation of column captions)

					196	i3				19	158
State, standard metropolitan statistical areas.	Establi num	shments, ber	All emp	loyees ²	Pro	duction wor	kers	Value	Capital	All	Value
and counties1	Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	added by manufac- ture	expend- itures, new ³	employ- ees, number ²	added by manufac- ture
		ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
COUNTIES AND INDEPENDENT CITIES 10 — Continued											
Pittsylvania	54	12	2,467	10,127	2,034	4,236	6,992	19,512	3,629	1,237	7,026
Portsmouth	70	28	2,412	9,365	1,815	3,609	6,091	24,077	1,554	2,049	16,216
Prince Edward	23 24	6 7	740 604	2,216	633	1,131	1,691	3,329	(Z)	666	2,056
Prince William	35	7	526	2,532 2,763	482 411	925 849	1,632 1,931	5,637 5,399	565 (Z)	162 314	711 2,684
			320	2,103	711	047	1,001	2,300	(2)	214	2,004
Pulaski	37	19	3,743	14,228	3,251	7,039	11,111	23,828	1,392	2,854	12,234
Radford	13	9	1,528	6,912	1,242	2,566	5,077	14,239	615	1,367	8,993
Richmond City	29 395	176	805 34,424	2,603 186,345	692 23,237	1,192 45,808	1,544	3,157	(Z)	641	3,288
Roanoke	64	26	6,281	34,321	4,575	9,523	103,146 20,882	441,611 72,090	16,730 2,272	34,947 5,123	377,303 50,847
	-	20	0,201	ستار و بحر	4,575	2,020	20,002	12,090	2,212	ريمدور	740,047
Roanoke City	123	53	8,471	37,070	6,454	13,777	24,370	57,797	3,008	9,214	51,170
Rockingham	58	25	3,988	14,493	3,069	6,163	10,157	48,581	2,692	2,700	47,108
Russell	13	2	470	1,429	429	926	1,280	1,648	(Z)	272	1,016
ShenandoahSmyth	41	14 11	1,853 4,002	5,383	1,644 3,186	3,201	4,364	8,962	1,092	1,679	6,655
Only on	31		4,002	18,046	2,100	6,295	12,921	51,867	1,624	4,105	38,401
South Boston	16	10	1,935	7,140	1.649	3,280	5.182	13,017	(Z)	1.012	5,767
Southampton	25	8	555	1,878	470	910	1,548	6,090	815	705	5,755
Staunton	28	11	2,014	6,776	1,756	3,675	5,719	10,080	(Z)	1,835	8,481
Suffolk	35	14	3,363	11,236	2,949	5,578	9,072	43,783	1,675	3,167	34,046
Sussex	32	4	454	1,499	404	836	1,269	3,124	659	367	1,094
Tazewell	38	14	1,775	6,483	1,529	3,065	4.968	13,085	889	1.370	6,728
Warren	20	6	2,331	12,001	1,908	4,132	9,384	33,866	1,179	2,656	27.684
Washington	36	9	993	3,891	850	1,696	3,067	9,609	847	1,135	11,134
Waynesboro	24	1,3	6,421	40,057	4,344	8,800	22,428	91,636	8,197	5,817	48,578
Winchester	34	14	1,543	6,431	1,262	2,644	4,641	14.207	1,397	1,529	8,938
Wise	24	8	664	2,485	509	1,001	1,662	3,694	(Z)	499	2,782
Wythe	19	5	1,083	3,153	987	1,915	2,740	5,314	(z)	980	6,739

(2) Less than \$500 thousand.

Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for plants under construction but not in operation.

The Lynchburg Standard Metropolitan Statistical Area consists of Lynchburg City and Campbell and Amherst Counties, Virginia.

The Newport News-Hampton Standard Metropolitan Statistical Area consists of Newport News and Hampton Cities and York County, Virginia.

The Norfolk-Portsmouth Standard Metropolitan Statistical Area consists of Chesspeake, Norfolk, Portsmouth, and Virginia Beach Cities, Virginia.

The Roanoke Standard Metropolitan Statistical Area consists of Roanoke City and Chesterfield, Hanover, and Henrico Counties, Virginia.

The Roanoke Standard Metropolitan Statistical Area consists of Roanoke City and Roanoke County, Virginia.

The Washington, D.C., Standard Metropolitan Statistical Area consists of the District of Columbia; Alexandria, Fairfax, and Falls Church Cities and Arlington and Fairfax Counties, Virginia; Montgomery and Prince Georges Counties, Maryland.

10 The 1963 and 1958 data may not be strictly comparable for some counties and cities because of boundary redefinitions between the 2 census years.

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

						196	3				19	58		
Code	Industry group	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital	All employ-	Value		
		Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures,	ees,	manufac- ture		
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)		
	All industries, total ²	4,493	1,560	302,910	1,430,344	239,377	481,627	990,713	3,064,019	227,023	258,136	2,122,652		
20 201 202 203	Food and kindred products Meat products Dairies Canned and frozen foods	659 90 73 161	343 38 52 87	31,803 6,373 4,186 7,052	125,647 25,670 19,365 19,534	21,536 5,062 1,661 6,248	43,873 10,745 3,708 11,670 4,048	72,284 19,298 7,147 15,251 6,503	323,697 53,276 46,073 57,182 22,344	17,438 2,470 2,763 1,675 1,335	31,396 5,703 4,674 6,716 2,388	240,963 35,790 39,360 34,900 21,790		
207 208	Candy and ralated products Beverages Miscellaneous foods and kindred products	21 103 67	62	2,464 3,754 2,059	7,744 17,347 9,399	2,231 1,362 1,379	3,165 2,843	4,664 4,990	41,221	1,335 4,635 1,744	2,368 3,268 2,257	29,326		
21 211 214	Tobacco manufactures Cigarettes Tobacco stemming and redrying	34 6 20	31 6 18	13,914 8,925 3,434	63,174 45,884 11,150	12,011 7,892 2,907	22,199 15,198 4,825	49,780 38,456 7,221	308,113 272,465 15,008	8,552 7,096 1,160	13,404 8,721 2,979	265,346 236,634 14,296		
22 222 224 225	Textile mill products	100 16 8 39	88 16 6 33	35,529 4,317 1,185 7,887	131,817 18,6.9 3,728 24,539	32,155 3,901 1,135 7,277	65,102 8,719 2,187 13,617	110,581 15,236 3,380 20,831	262,330 44,450 7,341 41,901	16,225 1,263 572 2,828	34,935 4,533 975 7,272	208,310 30,230 6,976 34,191		
226 228	Textile finishing, except wool Yarn and thread mills	6 5	6 5	2,198 1,116	9,783 3,513	1,825 1,068	4,192 2,164	7,458 3,243	17,647 4,052	4,305 (Z)	1,586 1,098	8,631 5,306		

See footnote at end of table.

Table 3. —GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958—Continued

		1963											
0.1			shments,	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value	
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)	
23 232 233 234	Apparel and related products Men's and boys' furnishings Women's and misses' cuterwear. Women's and children's	189 51 38	145 46 32	27,241 10,864 5,213	78,564 29,356 14,704	25,363 10,282 4,793	47,056 18,970 9,251	69,222 26,253 12,911	114,597 47,529 16,976	3,397 1,249 518	21,479 9,819 4,135	75,435 33,818 13,817	
236 239	underwear. Children's outerwear. Fabricated textiles, n.e.c	15 26 43	15 22 18	3,532 2,549 2,120	9,273 6,532 7,951	3,310 2,439 1,733	5,992 4,278 3,371	8,184 5,991 5,365	12,424 8,874 13,754	(Z) (Z) 878	1,359 1,817 1,904	4,559 4,882 9,724	
24 241 242 243 244 249	Lumber and wood products. Logging camps and contractors. Sawmills and planing mills. Millwork and ralated products. Wooden containers. Miscellaneous wood products.	1,609 432 998 90 30 59	266 21 166 +0 1+ 25	21,299 2,166 11,512 4,027 1,803 1,791	60,853 4,569 29,849 15,069 5,164 6,202	18,552 1,910 10,030 3,338 1,687 1,587	36,027 3,575 18,948 6,977 3,198 3,329	49,109 4,069 25,-44 10,529 4,324 4,743	109,667 9,194 52,051 28,995 6,706 12,751	11,860 1,718 7,333 1,625 (Z)	22,285 1,776 13,860 3,311 2,162 1,176	77,184 5,792 40,899 17,309 7,122 6,062	
25 251 254 259	Furniture and fixtures	151 101 17 18	72 53 7 3	19,843 17,311 1,087 375	81,453 69,337 5,886 1,694	17,452 15,808 572 283	38,950 35,603 1,219 557	64,751 58,289 2,558 1,082	171,173 147, 7 73 8,857 2,816	7,091 6,379 (Z) (Z)	16,355 14,292 1,052 382	104,669 87,343 7,613 3,531	
26 264 265	Paper and allied products Paper and paperboard products. Paperboard containers and boxes	68 24 30	52 17 21	12,174 2,315 2,331	70,608 11,463 11,230	9,842	20,782	51,805 8,376	173,612 21,538	27,739 1,064	10,993	131,028 14,919	
27 271 273 275 279	Printing and publishing. Newspapers. Books Commercial printing. Printing trades services.	481 125 19 254	32 31 5 33 7	10,660 4,637 938 3,470	53,137 24,490 3,611 17,212 3,186	1,969 7,322 2,472 816 2,691 383	4,221 14,323 4,694 1,550 5,337 768	8,325 34,169 12,727 2,729 12,632	20,674 91,448 45,232 6,730 26,790	2,687 5,635 2,426 (Z) 2,380 (Z)	1,829 9,618 4,355 762 3,172 268	14,287 66,234 33,453 4,423 19,809	
28 281 282 285 287	Chemicals and allied products Basic chemicals Fibers, plastics, rubbers Paints and allied products Agricultural chemicals	162 31 11 20 36	67 14 11 6 24	34,341 4,969 21,735 418 1,663	218,211 29,789 138,771 2,378 6,701	24,189 3,649 15,307 229 1,184	49,036 7,391 31,308 491 2,524	2,489 132,650 20,338 87,158 920 4,341	4,889 610,668 110,708 381,948 4,949 16,065	82,821 9,007 69,099 (Z) 856	30,592 5,158 18,790 357 2,014	2,413 452,453 36,900 273,672 3,462 15,799	
30 307	Rubber and plastics products, n.e.c. Plastics products, n.e.c	34 22	19 12	4,830 2,822	20,468 12,148	3,964 2,302	7,921 4,552	14,366 8,460	42,331 24,509	3,238 2,751	2,505 671	15,594 4,486	
31 32 323 325 327	Leather and leather products Stone, clay and glass products Products of purchased glass Structural clay products Concrete and plaster products.	20 276 9 15 211	19 1.2 7 13 77	4,313 9,790 600 852 5,700	13,777 46,030 2,453 3,444 27,976	3,923 8,113 487 760 4,625	7,153 17,046 990 1,617 10,032	11,644 34,703 1,558 2,772 20,657	19,649 109,885 4,534 7,935 66,974	(Z) 11,396 (Z) (Z) 8,775	5,029 7,786 585 790 4,085	19,174 75,839 4,647 4,577 42,796	
329 33 332	Nonmetallic mineral products Primary metal industries Iron and steel foundries	21 53 26	7 34 17	1,415 5,566 3,379	5,798 31,967 18,281	1,202 4,723 2,921	2,397 10,443 6,626	4,620 25,769 15,004	11,900 62,042 32,318	1,247 4,499 2,076	1,214 4,829 2,803	9,478 48,972 18,764	
34 344 35	Fabricated metal products Structural metal products Machinery, except electrical	182 131 181	79 60 49	9,900 6,121 5,764	51,701 32,278	7,486 4,532	15,433 9,228	32,961 20,236	101,745 60,800	7,683 2,5 <u>1</u> 5	8,325 5,706	57,644 35,464	
352 353	Farm machinery and equipment Construction and like equipment	12	7	527	28,964 2,209 2,545	4,314 460 364	8,862 99. 785	19,365 1,681 1,647	58,679 5,437 6,790	3,998 (Z)	3,777 282 343	28,649 1,985	
355 356 359	Special industry machinery General industrial machinery Miscellaneous machinery	19 16 87	9 7 11	74. 640 820	4,176 3,239 3,777	495 550 681	1,006 1,230 1,391	2,338 2,450 2,935	6,694 8,069 6,279	1,211 686 (Z)	840 21.5 576	5,084 1,278 3,638	
36 38 381	Electrical machinery. Instruments and related products Scientific instruments	5c 27 10	32 9 3	16,915 1,862 523	97,337 8,073 2,697	11,120 1,426 392	21,932 2,941 812	51,038 4,970 1,604	180,810 12,843 4,765	5,907 898 (Z)	5,940 1,671 206	69,819 8,807 1,414	
39 396	Miscellaneous manufacturing, including ordnance ³ Costume jewelry and notions	96 9	26 4	4,4 <u>11</u> 762	22,296 2,845	3,119 714	6,034 1,341	12,827 2,515	41,649 4,649	1,616 (Z)	3,240	28,107 4,120	
398 399 190	Miscellaneous manufactures ³	ôc .	13	1,942	11,504	1,144	2,233	f ,426	17,025	1,014	ು ಕ್ರ	6,515	
	Administrative and auxiliary	-	-	6,948	55,384	-	-	- [-	-	c,227	-	

⁻Represents zero. n.e.c. Not elsewhere classified. (2) Less than \$500 thousand.

*Includes expenditures for plants under consumeration but not in operation.

*The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figure or will appear in the final report for the State.

*Includes data for privately owned and or operated establishments in Major Promp 19, "Ordinate and Actualists." Extended the prompt of the smalley owned and or operated establishments in Major Promp 19, "Ordinate and Actualists." Extended the privately owned and or operated establishments in Major Promp 19, "Ordinate and Actuality Concerns ordinarily reported setarately and central administrative offices or audiliary units which service the mentacturing establishments of a company (e.g., research laboratories, storage ware-houses, power plants, garages, repair shops, etc.). A separate r got Ma. Lal. "Final to the following office or auxiliary unit to the stablishment of the establishment and the same location. Employment are payrell of establishment confidence and auxiliarize and was not upon a company of the establishment at the same location. Employment are payrell of establishment confidence and auxiliarize and was not upon to cold and an auxiliarize and was not upon to cold and an auxiliarize and was not upon to cold and auxiliarize and auxiliarize and stollars in the cold and the same location. Employment are payrell of establishment confidence and auxiliarize and auxiliarize and cold and cold and cold and cold and and auxiliarize and cold a

VIRGINIA

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

(See text for explanation of column captions)

						196	3				19	58
Code	Industry group	Establi num	shments, ber	All emp	Loyees	Pro	duction wor	kers	Value added by	Capital	All employ-	Value added by
		Total	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures,	ees,	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
				(Consists	of Richmond	RICHMO City and C	ND, VIRGINI Chesterfield	A , Hanover, a	nd Henrico C	ounties, Va	-)	
	All industries, total ²	550	222	45,955	256,973	31,406	62,443	146,910	572,259	47,658	42,999	454,651
20 201 202 205	Food and kindred products Meat products Dairies Bakery products	55 10 8 14	36 5 5	4,471 979 723 1,827	21,634 5,327 2,757 9,140	2,629 755 186 1,238	5,319 1,469 428 2,514	11,739 3,780 777 5,775	44,471 7,516 6,775 17,961	1,419 (Z) (Z) (Z) 642	5,278 (D) 1,012 2,044	40,412 (D) 7,814 15,491
209	Miscellaneous foods and kindred products	10	4	375	1,925	135	269	304	3,748	(Z)	486	3,583
21	Tobacco manufactures	1.3	11	8,442	41,844	7,141	13,582	32,778	216,801	6,269	9,116	202,236
23 239	Apparel and related products Fabricated textiles, n.e.c	26 14	18 8	3,355 1,295	12,667 5,299	2,960 1,045	5,653 2,044	9,635 3,412	20,574 9,032	707 535	(D) 1,059	(D) 6,304
24 242 243	Lumber and wood products Sawmills and planing mills Millwork and related products	88 58 12	15 6 6	1,752 713 826	5,691 2,001 3,077	1,410 604 624	2,763 1,148 1,267	4,190 1,682 2,010	9,782 4,135 4,366	740 ('Z) (Z)	1,961 913 825	7,648 3,231 3,346
25 251	Furniture and fixtures Household furniture	34 14	10 5	1,089 779	5,269 3,531	858 643	1,799 1,343	3,480 2,564	10,893 8,921	(Z) (Z)	1,005 824	6,607 5,277
26 264 265	Paper and allied products Paper and paperboard products Paperboard containers and	23 10	21 9	3,505 1,125	17,916 5,324	2,966 958	6,402 1,997	13,669 3,918	33,737 9,395	1,545 (Z)	3,400 1,269	26,517 7,896
	boxes	9	8	1,280	6,749	1,087	2,328	5,079	12,490	530	1,070	9,548
27 275	Printing and publishing Commercial printing	118 74	29 18	3,849 1,807	19,517 9,258	2,809 1,372	5,517 2,728	13,113 6,483	32,417 13,930	2,166 1,534	3,645 1,775	24,506 10,847
28	Chemicals and allied products	39	13	8,055	58,903	5,013	10,129	30,997	130,567	28,464	5,513	79,019
32 327	Stone, clay and glass products. Concrete and plaster products	26 20	15 12	1,046 859	5,764 4,959	852 681	1,786 1,430	4,376 3,722	11,284 9,483	821 704	929 751	9,095 7,745
34 344	Fabricated metal products Structural metal products	42 29	22 17	2,350 1,379	12,023 6,971	1,793 1,010	3,462 1,884	7,737 4,110	17,942 9,731	1,104 (Z)	1,784 1,433	10,384 8,637
35 355	Machinery, except electrical Special industry machinery	31 6	8 5	823 574	4,773 3,402	562 360	1,141 728	2,796 1,755	7,652 5,320	1,282 (D)	743 570	4,756 3,576
39	Miscellaneous manufacturing	17	6	450	1,943	368	723	1,283	4,016	(Z)	491	3,154
	Administrative and auxiliary3	_	-	4,158	33,986	_	-	-	-	-	4,105	-

(Z) Less than \$500 thousand.

- Represents zero. (D) Withheld to avoid disclosing figures for individual companies. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State,

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

U.S. DEPARTMENT OF COMMERCE **BUREAU OF THE CENSUS** WASHINGTON, D.C. 20233

POSTAGE AND FEES PAID U.S. DEPARTMENT OF COMMERCE

OFFICIAL BUSINESS







Area series

WASHINGTON

preliminary report

Value added by manufacturing in 1963 in the State of Washington amounted to \$2,873 million, an increase of 2 percent from 1962 and 33 percent from 1958. Of this total, \$899 million was contributed by the transportation equipment industries and \$363 million by the food and kindred products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. For 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	All emp	oloyees ¹	Pr	oduction worke	rs	Value	Capital	Index of	
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963. 1962 ³ . 1961 ³ . 1960 ⁹ . 1959 ⁹ .	5,198 (NA) (NA) (NA) (NA) 5,065	1,227 (NA) (NA) (NA) (NA) (NA)	225,848 230,980 215,535 216,978 228,996 215,017	1,478,801 1,492,646 1,335,264 1,276,071 1,283,172 1,173,302	153,173 156,390 146,415 150,593 161,695 157,260	302,627 305,751 280,664 287,796 313,078 305,811	881,344 871,528 777,737 773,797 808,629 761,376	2,872,770 2,822,813 2,463,892 2,281,954 2,343,415 2,166,632	144,221 186,455 141,031 141,846 111,902 160,445	105 107 100 101 107 100	133 130 114 105 108 100

(NA) Not available.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parentheses may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

June 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

Payroll, --This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number.-This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages.--This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. -- This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

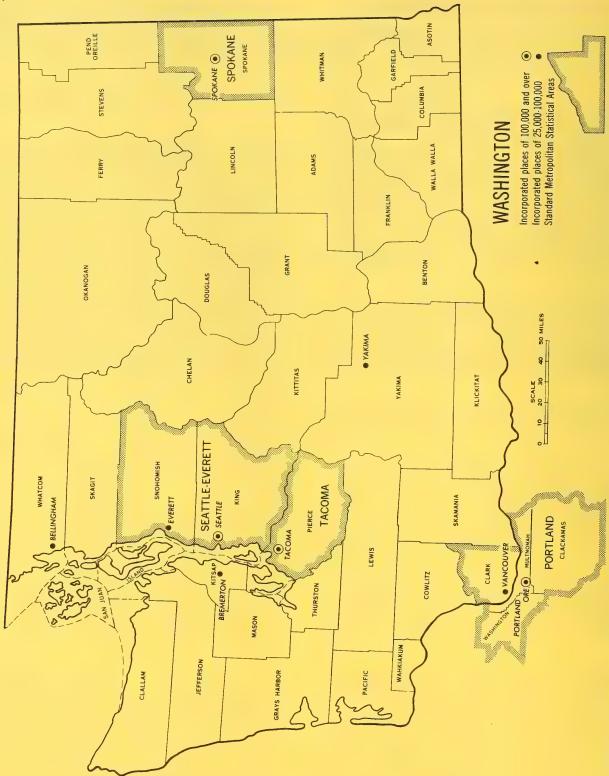
The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



BUREAU OF THE CENSUS

WASHINGTON

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1968

					196	3				19	58
State, standard metropolitan statistical areas.		shments,	All emp	loyees ²	Pro	duction wor.	kers	Value added by	Capital expend-	All employ-	Value added by
and counties1	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ³ (\$1,000)	ees, number ²	manufac- ture (\$1,000)
WASHINGTON, TOTAL	5,198	1,227	225,848	1,478,801	153,173	302,627	881,344	2,872,770	144,221	215,017	2,106,632
STANDARD METROPOLITAN STATISTICAL AREAS											
Portland ⁴ Portion in Oregon Portion in Washington	1,832	503	66,002	393,660	48,300	93,590	260,612	772,286	49,092	58,334	597,572
	1,691	465	57,154	338,569	41,159	79,555	219,065	641,777	40,281	50,494	496,649
	141	38	8,848	55,091	7,141	14,035	41,547	130,509	8,811	7,840	100,923
Seattle-Everett ⁵	2,026	491	121,892	854,154	70,458	139,792	421,280	1,467,036	52,244	114,871	1,064,863
Spokane ⁶	364	94	11,917	76,986	8,930	17,804	54,781	172,893	10,261	12,776	170,582
Tacoma ⁷	481	144	16,626	98,890	12,495	24,371	68,547	198,479	8,659	16,648	152,475
COUNTIES1											
Chelan,	63	18	2,040	12,750	1,700	3,500	9,999	37,118	1,841	1,876	27,722
Clallam,	127	24	2,802	17,454	2,484	4,668	14,779	44,057	4,293	2,645	31,917
Clark,	141	38	8,848	55,091	7,141	14,035	41,547	130,509	8,811	7,840	100,923
Cowlitz,	139	38	9,386	56,095	7,975	15,144	45,591	133,027	13,984	8,591	103,389
Ferry,	35	5	372	1,460	323	597	1,229	2,432	(Z)	341	2,515
Grays Harbor	223	59	8,636	46,286	7,673	16,111	39,289	81,909	5,448	7,510	64,436
King	1,678	426	111,246	792,729	61,714	123,067	373,887	1,329,248	45,346	105,648	959,964
Kitsap	79	7	683	3,753	464	912	2,386	7,254	523	1,046	7,989
Kittitas	53	9	668	3,273	559	1,088	2,617	5,415	616	576	4,875
Klickitat.	38	8	979	5,413	893	1,806	4,758	8,792	507	1,141	10,079
Lewis.	207	41	3,582	17,868	3,146	5,671	15,025	30,355	3,155	3,080	20,321
Mason.	74	8	1,825	10,286	1,402	2,696	7,364	17,429	4,384	1,995	15,958
Okanogan.	57	6	1,244	6,201	1,104	2,211	5,197	9,430	2,001	1,556	8,957
Pacific	64	13	1,139	4,864	1,036	1,680	4,320	9,745	937	1,013	7,122
Pierce.	481	144	16,626	98,890	12,495	24,371	68,547	198,479	8,659	16,648	152,475
Skagit.	163	37	4,251	24,701	3,500	6,593	19,088	72,489	7,042	3,347	41,036
Skamania.	17	5	568	3,338	529	992	3,006	3,867	(2)	700	6,303
Snchomish.	348	65	10,646	61,425	8,744	16,725	47,393	137,788	6,898	9,223	104,899
Spokane.	364	94	11,917	76,986	8,930	17,804	54,781	172,893	10,261	12,776	170,582
Stevens.	73	9	786	3,215	684	1,286	2,757	5,979	721	657	6,265
Thurston. Wahkiakum. Walla Walla Whatcom. Whitman. Yakima	97	23	2,699	16,892	2,262	4,716	13,216	41,431	2,494	2,514	29,480
	16	2	286	1,637	244	423	1,313	1,883	(D)	315	668
	55	15	2,463	11,030	2,061	4,487	8,238	29,487	2,799	1,389	14,462
	153	29	3,895	21,429	3,052	5,575	15,771	63,209	4,078	4,092	53,944
	17	5	373	2,024	205	360	967	3,608	(Z)	160	1,675
	182	61	5,604	29,990	4,610	9,417	23,089	63,837	3,573	5,586	53,696

⁽D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand.

*Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

*Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

*Includes expenditures for both plants in operation and for plants under construction but not in operation.

*The Portland Standard Metropolitan Statistical Area consists of Clackamas, Multnomah, and Washington Counties, Oreg.; and Clark County, Wash.

*The Spokane Standard Metropolitan Statistical Area is coextensive with Spokane County, Wash.

*The Tacoma Standard Metropolitan Statistical Area is coextensive with Pierce County, Wash.

1963 CENSUS OF MANUFACTURES

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

						196	i3				19	58
		Establi	shments,	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
	All industries, total ²	5,198	1,227	225,848	1,478,801	153,173	302,627	881,344	2,872,770	144,221	215,017	2,166,632
20 201 202 203 204 208 209	Food and kindred products	688 100 95 197 56 62	266 31 44 96 13 22	27,192 3,587 3,960 9,418 1,536 2,509	152,294 21,812 26,680 40,416 8,994 18,728	19,511 2,821 1,803 8,474 1,108 1,423	38,322 5,599 3,626 16,303 2,150 2,787	99,004 16,189 11,899 33,430 6,239 10,091	363,218 40,000 54,906 96,726 27,048 59,961	16,285 1,215 3,330 4,488 1,020 2,823	26,487 3,322 4,810 7,773 1,921 2,688	297,396 31,917 49,474 76,672 27,733 47,825
22	kindred products Textile mill products	66 20	17 5	1,343 694	7,006 3,034	916 609	1,760 1,162	4,291 2,387	20,629 5,752	1,086 (Z)	1,186 639	13,140 4,210
23 233 239	Apparel and related products Women's and misses' outerwear. Fabricated textiles, n.e.c	1.36 27 79	46 13 10	4,131 1,119 766	15,100 3,884 3,271	3,486 970 621	6,122 1,683 1,202	10,648 2,860 2,094	25,208 6,190 5,193	(Z) (Z) (Z)	3,489 1,024 876	17,971 5,001 5,032
24 241 242 243 244 249	Lumber and wood products Logging camps and contractors. Sawmills and planing mills Millwork and related products. Wooden containers Miscellaneous wood products	1,872 1,020 552 222 23 55	348 80 169 82 4 13	43,434 9,587 20,325 12,063 503 956	227,002 48,847 102,694 68,376 2,188 4,897	39,334 8,640 18,398 11,053 464 779	76,028 17,929 33,800 22,004 871 1,424	199,063 43,172 89,553 60,821 1,870 3,647	363,024 81,934 164,614 105,481 3,297 7,698	39,687 15,320 14,170 9,679 (Z) (Z)	41,568 7,867 20,251 11,818 649 983	293,345 63,546 134,304 82,060 4,737 8,698
25 251 254	Furniture and fixtures Household furniture Partitions and fixtures	155 95 32	28 20 3	2,472 1,751 270	12,892 8,691 1,848	2,020 1,460 217	3,837 2,691 458	9,842 6,850 1,348	21,035 14,799 2,509	567 (Z) (Z)	2,906 2,363 225	20,913 16,676 1,802
26 262 264 265	Paper and allied products Paper mills, except building Paper and paperboard products. Paperboard containers and	81 12 25	57 12 12	17,906 7,332 2,891	118,184 48,727 16,401	14,911 6,205 2,447	30,282 12,501 4,889	92,797 39,371 12,981	326,207 135,772 40,326	26,340 11,633 1,928	15,767 6,278 2,646	251,780 102,313 23,687
27 271 275	boxes Printing and publishing Newspapers Commercial printing.	511 163 235	17 77 37 27	1,661 8,495 5,318 2,218	10,219 50,790 32,018 13,511	1,308 4,845 2,623 1,622	2,648 8,658 4,548 3,047	7,427 28,718 16,137 9,500	17,494 87,231 56,273 21,597	950 4,545 3,041 1,057	1,635 8,058 5,357 1,858	13,468 72,252 49,451 15,780
28 281 285 289	Chemicals and allied products Basic chemicals Paints and allied products	153 35 25	41 15 8	10,977 9,335 433	89,950 80,277 2,509	6,580 5,588 255	13,390 11,542 482	47,797 42,738 1,309	236,179 211,661 7,259	2,900 1,200 (Z)	10,924 9,457 351	173,907 155,058 5,274
29	Miscellaneous chemical products Petroleum and coal products	26 25	6	455	2,860	342 901	633	1,971	5,978	982	516	5,800
32 327 329	Stone, clay and glass products. Concrete and plaster products. Nonmetallic mineral products.	267 197 28	71 52 4	1,406 5,498 3,697 371	10,546 34,775 23,596 2,180	4,212 2,727 299	1,799 8,341 5,391 608	6,311 25,586 16,889 1,697	64,108 72,771 44,479 5,978	5,924 6,779 4,911 (Z)	1,305 4,910 3,025 451	33,345 53,228 30,344 5,602
33 332	Primary metal industries Iron and steel foundries	77 26	35 13	9,773 984	70,798 6,323	8,159 856	16,261 1,670	55,061 5,038	202,461 9,701	10,745 (Z)	10,320 874	172,040 6,563
34 344 347 348	Fabricated metal products Structural metal products Metal services, n.e.c Fabricated wire products,	306 169 33	69 42 2	6,041 3,754 273	40,723 25,893 1,828	4,763 2,929 216	9,179 5,595 425	29,866 18,825 1,316	77,288 43,193 3,052	2,446 1,293 (Z)	6,661 4,005 186	65,122 37,222 1,574
35 352 353	n.e.c	20 345 29	65 6	297 6,962 341	1,764 46,793 1,886	226 5,251 269	10,265 542	1,214 33,001 1,331	3,238 73,093 3,370	(Z) 2,958 (Z)	5,265 322	2,653 52,829 2,430
354 355 356 359	equipment, Metalworking machinery, Special industry machinery, General industrial machinery, Miscellaneous machinery	36 19 47 33 152	15 1 15 5 14	2,288 418 1,474 398 1,460	16,114 3,130 10,273 2,641 9,023	1,768 319 1,069 283 1,173	3,464 652 2,094 554 2,293	11,746 2,357 6,861 1,586 7,086	25,289 5,498 14,928 4,412 14,286	1,156 (Z) (Z) (Z) (Z) 629	1,285 343 1,107 603 1,334	12,305 3,361 11,905 6,108 14,423
37 371	Electrical machinery Transportation equipment Motor vehicles and equipment Miscellaneous manufacturing,	71 204 31	22 49 11	2,713 72,405 1,891	17,159 550,907 12,457	1,652 34,657 1,457	3,261 71,531 2,880	8,358 222,378 8,977	29,819 898,828 20,797	1,183 22,243 760	1,242 69,744 1,394	12,240 626,046 12,569
394 398	including ordnance ³ Toys and sporting goods	193 47	24 4	1,799 323	9,288 1,142	1,435 272	2,636 492	6,652 895	15,489 2,538	566 (Z)	1,817 280	13,239 1,974
190	Miscellaneous manufactures ³	103	17	1,055	6,024	814	1,485	4,111	9,152	(Z)	949	7,257
	Administrative and auxiliary4	_	_	2,879	22,983	_	-	_	-	_	2,955	

⁻ Administrative and auxiliary*... - 2,879 22,983 - - - 2,955 - Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand.

*Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

*Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

*In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments are included in the totals for the area.

Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

WASHINGTON

Table 4.- TEMERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1903 AND 1908

				10	58							
		Establi	shments,		_	196						
Code	Industry group	nu	ber	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
		Total.	With 20 or more employ-	Number	Payroll	Number	Man-hours	Wages	manufac- ture	itures, new1	ees, number	manufac- ture
			ees		(\$1,000)		(1,000)	(\$1,000)	(\$1,000)	(\$1,000)		(\$1,000)
		("All						SMSA ncludes Clar shown in the				table 2.
					(See fo		TTLE-EVERET	T SMSA e 2 for SMSA	description	.)		
	All industries, total ²	2,026	491	121,892	854,154	70,458	139,792	421,280	1,467,036	52,244	114,871	1,064,863
20	Food and kindred products	243	100	10,575	65,172	6,741	13,433	38,322	1.37,380	5,796	9,934	105,602
201	Meat products	32 29	12 16	1,354 1,687	8,490 12,510	1,053 676	2,168 1,383	6,318 4,896	15,502 29,537	525 2,270	1,299 1,929	12,656 24,146
203	Canned and frozen foods	68	26	2,315	12,420	1,978	4,000	9,717	23,715	1,070	1,582	15,270
204	Grain mill products	14	4	714	3,922	520	875	2,727	8,675	(Z)	912	8,850
205 207	Bakery products Candy and related products	12	20	2,466 469	15,473	1,286 367	2,687 677	8,413	28,959	738 (Z)	2,221 41 4	20,735
207	Beverages	17	6	779	2,255 5,834	362	670	1,528 2,421	4,623 15,278	549	839	12,842
209	Miscellaneous foods and kindred products	27	11	791	4,268	499	973	2,302	11,091	(Z)	738	7,652
22		000	22	0 202		0.015	2.500			(a)	2 250	
23 232	Apparel and related products Men's and boys' furnishings	90	33	2,383 1,003	9,445 4,046	2,015 845	3,568 1,520	6,581 2,935	16,343	(Z) (Z)	2,259 686	12,529 3,861
233	Women's and misses' outerwear.	22	10	51.3	1,722	447	697	1,243	7,492 2,985	(Z)	582	3,081
239	Fabricated textiles, n.e.c	42	8	625	2,807	502	975	1,727	4,326	(Z)	733	4,316
24	Lumber and wood products	369	61	8,809	44,160	7,937	14,218	37,722	69,807	7,378	8,748	61,411
241	Logging camps and contractors.	158	6	834	3,739	739	1,342	3,308	7,508	1,384	811	9,238
242 243	Sawmills and planing mills	102 87	30	4,532	22,093	4,141	7,129	19,243	32,367	3,195	4,644	29,017
243	Millwork and related products.	0/	20	2,996	16,130	2,688	5,090	13,513	26,573	2,705	2,784	19,548
25	Furniture and fixtures	88 57	13 10	893	4,859	742	1,400	3,792	7,937	(Z) (Z)	1,004	7,061
251	Household furniture	27	10	674	3,494	561	1,018	2,682	5,877	(2)	747	5,227
26	Paper and allied products	30	16	3,957	25,445	3,188	6,414	19,168	75,588	2,734	3,266	60,036
265	Paperboard containers and boxes	11	7	500	3,280	374	740	2,172	5,971	(Z)	574	5,482
		050		, , , , ,				1				
27 271	Printing and publishing Newspapers	253 48	38 12	4,461 2,512	28,001 15,688	2,640 1,255	4,614 2,078	16,612 8,282	47,150 26,861	3,080 2,184	4,116 2,359	36,906 21,396
275	Commercial printing	131	18	1,396	9,092	1,038	1,939	6,410	14,299	638	1,310	11,552
28 285	Chemicals and allied products Paints and allied products	79 17	19	1,095	6,617 1,980	611 196	1,188 378	3,177 1,050	18,622 6,024	606 (Z)	1,145	17,365 4,416
					,			,	, , , , , ,	(-,		, , , ,
30	Rubber and plastics products, n.e.c	28	5	277	1,609	211	400	1,075	3,551	(Z)	245	2,182
32	Stone, clay and glass products	100	34	2,951	19,799	2,341	4,715	15,013	39,969	3,163	2,452	26,659
327	Concrete and plaster products.	70	26	2,006	13,855	1,551	3,101	10,304	25,268	2,445	1,510	15,953
33	Primary metal industries	37	15	2,074	14,218	1,673	3,310	10,621	25,138	1,543	2,197	18,250
332	Iron and steel foundries	10	6	416	2,671	373	733	2,201	4,180	(Z)	430	3,060
34	Fabricated metal products	190	48	4,648	31,660	3,643	7,009	23,102	55,801	1,859	5,277	51,323
344	Structural metal products	101	30	3,022	20,791	2,356	4,499	15,159	34,665	959	3,343	31,152
35	Machinery, except electrical	192	42	4,087	27,956	3,009	5,921	10 /10	/ 5 200	2.056	3,263	
353	Construction and like							19,410	45,377	2,055	1	31,509
	equipment	20	12	1,547	11,118	1,146	2,346	7,957	18,751	902	802	8,281
354 355	Metalworking machinery Special industry machinery	14 28	1 8	368 687	2,833	276 486	574 922	2,138 3,010	4,942 6,121	(Z) (Z)	322 585	3,116 5,705
359	Miscellaneous machinery	81	9	693	4,660 4,121	582	1,112	3,412	7,259	(Z)	672	5,662
36	Flantminel manhineme	54	16	2,101	14,395	1,247	2,475	6 2006	2/ 16/	897	914	0.02/
37	Electrical machinery Transportation equipment	114	16 29	70,696	541,008	33,171	68,718	6,375 214,244	24,164 883,541	21,461	67,716	9,234 610,516
39	Miscellaneous manufacturing	97	12	887	4,834	673	1,261	3,330	7,695	(Z)	949	6,675
398 399	Miscellaneous manufactures	47	8	507		376	69:				/2.0	
190	ruscertaneous manuractures	4/	8	507	3,226	376	691	2,231	4,507	(Z)	412	2,731
	3			7 767	20 5:5							
	Administrative and auxiliary3	_	-	1,181	10,741			_	-	-	581	-

Represents zero. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

The addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE







Area series

WEST VIRGINIA

preliminary report

Value added by manufacturing in 1963 in the State of West Virginia amounted to \$1,834 million, an increase of 9 percent from 1962 and 45 percent Of this total, \$781 million was contributed by the chemical industries and \$390 million by the primary metals industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. For 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments,	All emp	loyees ¹	Pr	oduction worke	rs	Value added by	Capital expend-	Index of	change 100)
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963. 1962 ³ . 1961 ³ . 1960 ⁹ . 1959 ³ .	1,817 (NA) (NA) (NA) (NA) 1,899	533 (NA) (NA) (NA) (NA) 519	118,860 112,395 111,126 116,779 121,332 117,828	718,980 650,558 619,691 629,899 631,186 586,038	90,560 86,571 85,408 90,282 94,859 90,390	178,795 168,270 165,049 180,355 183,221 173,129	490,455 463,909 438,880 449,976 456,987 411,007	r1,834,458 r1,689,455 r1,441,833 r1,434,768 r1,512,603 r1,268,842	167,634 113,806	101 98 97 99 103 100	145 133 114 113 119 100

(NA) Not available. Frevised.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

February 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are excluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically significant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u> --This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours.—This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

<u>Production workers, wages.--This item consists</u> of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

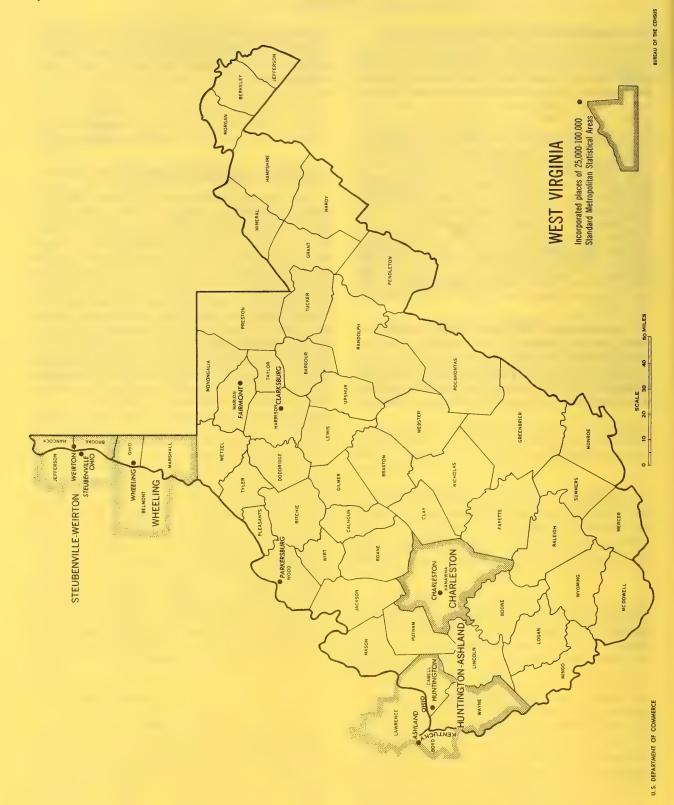
The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties. Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



5 WEST VIRGINIA

Table 2.--GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958 (See text for explanation of column captions)

					1963		****			19	958
State, standard metropolitan		shments,	All emp	oloyees ²	Pro	oduction wor	kers	Value	Capital	All	Value
statistical areas, and counties ¹	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
		ees		(41,000)		(1,000)	(41,000)	(\$1,000)	(\$1,000)		(\$1,000)
WEST VIRGINIA, TOTAL	1,817	553	118,860	718,980	90,560	178,795	490,453	1,834,458	172,870	117,828	^r 1,268,842
STANDARD METROPOLITAN STATISTICAL AREAS											
Charleston ⁴	163	55	22,592	178,927	13,894	27,997	94,843	596,008	64,130	22,862	^r 367,612
Huntington-Ashland ⁵ Portion in Ohio. Portion in West Vinginia. Portion in Kentucky.	263	111	24,252	146,984	18,905	37,679	104,816	317,411	99,179	22,882	244,042
	44	19	4,134	25,178	3,386	6,722	19,673	71,116	(D)	4,317	50,423
	180	76	13,551	75,627	10,720	21,631	53,509	149,481	(D)	12,336	113,764
	39	16	6,587	46,179	4,799	9,326	31,634	96,814	(D)	6,161	79,855
Steubenville-Weirton ⁶	133	64	28,545	205,652	23,589	45,617	163,746	426,523	58,558	29,894	353,022
	67	29	10,848	78,096	9,110	17,854	64,329	141,492	43,321	11,089	124,088
	66	35	17,697	127,556	14,479	27,763	99,417	285,031	15,237	18,805	228,934
Wheeling ⁷ . Portion in Ohio. Portion in West Virginia.	185	81	15,701	93,394	11,689	22,463	62,792	190,707	24,904	17,240	150,340
	78	29	4,754	26,132	3,795	7,072	19,684	46,460	4,353	4,025	28,395
	107	52	10,947	67,262	7,896	15,391	43,108	144,247	20,551	13,215	121,945
COUNTIES1									,		
Berkeley.	39	21	3,882	16,246	3,294	6,543	12,493	71,543	2,396	3,614	28,080
Cabell.	134	62	12,106	68,373	9,573	19,203	48,354	135,765	(D)	11,663	109,565
Greenbrier.	57	6	897	3,007	701	1,491	2,280	4,581	(Z)	1,031	4,364
Hardy.	22	5	447	1,396	410	755	1,205	1,645	(Z)	241	875
Harrison.	75	28	5,884	33,285	4,794	9,512	26,398	62,310	3,946	6,233	53,032
Jefferson.	25	12	1,105	4,747	878	1,946	3,297	19,629	(Z)	657	4,076
Kanawha.	163	55	22,592	178,927	13,894	27,997	94,843	596,008	64,130	22,862	r ₃ 67,612
Lewis.	25	5	1,130	3,865	1,067	1,864	3,379	5,804	(Z)	1,102	4,562
Lincoln.	18	3	255	670	226	424	555	792	(Z)	205	703
Logan.	25	8	578	2,380	413	888	1,609	3,815	(Z)	341	1,650
Marion. Marshall. Mason. Mercer. Mineral.	61 31 20 61 18	16 18 9 18	5,591 5,252 1,638 2,030 405	30,261 33,205 7,031 9,504 1,384	4,821 4,077 1,214 1,395 362	9,701 7,973 2,160 2,822 760	24,945 23,638 5,045 5,420 1,102	55,741 91,537 15,870 15,883 2,924	5,677 18,741 2,198 882 (2)	4,409 5,703 1,019 1,829 305	46,550 67,036 5,598 11,558 2,199
Mingo. Monongalia. Nicholas. Ohio. Pocahontas.	24	6	473	1,719	364	674	1,148	3,627	(Z)	344	2,522
	55	22	2,814	11,768	2,361	4,280	9,085	19,717	(Z)	2,917	15,159
	53	6	631	1,919	540	1,114	1,607	3,159	(Z)	624	2,155
	76	34	5,695	34,057	3,819	7,418	19,476	52,710	1,810	7,512	54,909
	22	6	545	1,751	491	984	1,522	2,799	(Z)	679	3,625
Preston. Putnam. Raleigh. Randolph. Ritchie	43	5	664	2,311	576	1,098	1,946	4,638	(Z)	676	3,409
	14	5	1,384	8,536	1,055	2,196	6,226	26,722	1,405	2,000	32,852
	43	12	1,130	4,148	829	1, 6 19	2,666	6,671	(Z)	1,247	7,491
	67	11	1,023	3,503	814	1,623	2,508	6,905	(Z)	1,473	5,043
	16	7	571	1,943	524	981	1,625	2,699	(Z)	410	1,236
Roane	15	4	781	2,550	657	1,231	1,910	3,970	(Z)	548	2,440
Tucker	13	5	489	1,832	436	890	1,595	3,241	(Z)	357	1,527
Tyler	14	3	598	3,498	495	1,008	2,589	20,496	822	347	3,494
Upshur	25	3	259	961	207	414	699	1,287	529	364	1,154
Wayne	46	14	1,425	7,254	1,147	2,428	5,155	13,716	(D)	473	4,199
Webster.	28	4	290	691	246	426	571	1,252	(Z)	154	436
Wetzel.	28	5	437	1,909	360	695	1,399	3,261	(Z)	690	7,606
Wood.	86	34	9,826	59,978	7,251	14,664	39,116	160,584	19,501	8,959	92,472
Wyoming.	23	5	299	923	269	489	767	1,191	(Z)	341	1,330

⁽D) Withheld to avoid disclosing figures for individual companies.

The vised.

(Z) Less than \$500 thousand.

*Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

*Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

*Includes expenditures for plants under construction but not in operation.

The Charleston Standard Metropolitan Statistical Area consists of Kanawha County, W. Va.

The Huntington-Ashland Standard Metropolitan Statistical Area consists of Cabell and Wayne Counties, W. Va., Boyd County, Ky.; and Lawrence County, Ohio.

Ohio.

Statistical Area consists of Jefferson County, Ohio; and Brooke and Hancock Counties, W. Va.

The Wheeling Standard Metropolitan Statistical Area consists of Ohio and Marshall Counties, W.Va.; and Belmont County, Ohio.

1963 CENSUS OF MANUFACTURES

Table 3.--GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY CROUPS: 1963 AND 1958

(See text for explanation of column captions)

	Industry group	1963										1958	
Code		Establishments, number		All emp	loyees	Pro	oduction wor	rkers	Value	Capital	All	Value	
code		Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1	employ- ees, number	added by manufac- ture (\$1,000)	
	ALL INDUSTRIES, TOTAL ²	1,817	553	118,860	718,980	90,560	178,793	490,453	1,834,458	172,870	117,828	r _{1,268,842}	
20 202 205 208	Food and kindred products Dairies Bakery products Beverages	242 44 45 65	95 27 26 21	7,279 1,873 2,279 1,331	33,880 9,365 11,870 6,132	3,881 751 1,187 532	8,426 1,608 2,741 1,089	15,300 3,348 5,333 1,897	71,572 20,361 22,816 11,942	3,500 925 800 854	8,629 2,502 2,846 1,310	68,756 24,257 22,231 9,611	
22	Textile mill products	6	4	1,512	4,886	1,288	2,484	3,942	5,374	(Z)	1,953	9,410	
23 232 233	Apparel and related products Men's and boys' furnishings. Women's and misses'	38 7	28 6	4,366 581	12,064	3,921 559	7,247 1,007	10,187 1,349	17,702 2,391	(Z) (Z)	3,879 631	12,290 1,778	
	outerwear	9	9	1,806	4,816	1,603	2,979	4,047	8,172	(Z)	1,398	5,076	
24 241	Lumber and wood products Logging camps and	641	82	6,343	18,111	5,625	10,841	15,415	29,809	4,772	6,975	21,915	
242 243	contractors	208 385	69 69	780 4 , 672	1,644 13,352	700 4,141	1,320 7,999	1,477 11,561	3,625 20,976	1,400 3,122	801 5,161	2,097 15,034	
	products	12	5	422	1,627	373	776	1,265	2,683	(Z)	485	2,591	
25 251	Furniture and fixtures Household furniture	44 26	15 11	1,070 814	3,769 2,568	923 730	1,741 1,319	2,779 1,982	6,314 4,045	(Z) (Z)	1,119 945	5,651 4,440	
26 264	Paper and allied products Paper and paperboard	21	14	1,512	7,088	1,282	2 , 656	5, 330	12,387	550	1,410	9,877	
265	products Paperboard containers and	6	4	540	2,393	464	880	1,913	3,818	(Z)	574	3,497	
	boxes	9	6	684	3,142	5 65	1,105	2,209	5,451	(Z)	625	4,626	
27 271 275	Printing and publishing Newspapers Commercial printing	188 85 90	24 15 7	3,318 2,358 856	15,123 10,648 4,001	1,953 1,221 630	3,694 2,315 1,222	8,995 5,793 2,818	36,769 18,881 16,963	1,160 (Z) 666	3,677 2,727 808	25,057 19,391 4,800	
28 281 282	Chemicals and allied products. Basic chemicals Fibers, plastics, rubbers	64 34 9	34 19 9	22,454 14,807 6,862	166,735 114,436 47,870	16,445 10,874 4,988	33,214 21,870 10,188	112,288 78,721 30,745	780,820 605,120 159,829	97,721 75,386 21,923	22,864 17,713 4,415	r _{451,751} r _{373,555} 66,760	
29 31	Petroleum and coal products Leather and leather products	26 8	7 6	590 842	3,218 3,132	489 787	971 1 , 559	2,641 2,851	7,521 4,830	(Z) (Z)	709 819	6 ,6 63 5 , 073	
32 321 323 325 326 327	Stone, clay and glass products Flat glass Products of purchased glass. Structural clay products Pottery and related products Concrete and plaster	180 5 18 11 15	89 5 7 9	20,390 3,051 386 1,023 2,727	108,647 22,726 1,281 5,019 11,806	17,967 2,607 311 906 2,489	34,829 5,201 682 1,743 4,488	90,339 19,107 1,072 4,135 9,716	219,571 35,032 2,739 7,918 14,871	11,054 3,246 (Z) 635 (Z)	21,590 2,851 404 1,261 4,172	156,607 27,904 1,813 7,030 14,550	
) = (products	71	17	1,119	4,974	821	1,684	3,380	10,767	1,044	1,237	10,693	
33 331 332	Primary metal industries Steel rolling and finishing. Iron and steel foundries	42 13 12	30 11 9	21,796 14,815 720	167,735 116,859 3,693	18,283 12,840 621	35,829 25,059 1,152	133,500 98,095 2,966	390,295 272,571 7,452	37,950 15,345 (Z)	21,662 16,253 747	323,825 242,957 6,560	
34 342	Fabricated metal products Cutlery, hand tools, hard-	85	42	7,131	36,320	5,895	11,532	27,840	77,954	2,230	7,701	60,010	
344 349	ware	5 44	4 14	1,201 1,767	6,845 9,834	1,008 1,391	1,979 2,716	5,449 7,195	15,297 21,666	(Z) 529	1,433 1,970	12,515 15,949	
	n.e.c	14	10	1,539	8,107	1,291	2,591	6,231	21,977	688	1,268	12,879	
35 353	Machinery, except electrical Construction and like	137	31	3,964	21,978	3,058	5,910	15,751	36,073	1,692	3,751	28,852	
359	equipment Miscellaneous machinery	38 68	11 9	1,528 627	8,381 3,353	1,054 510	2,056	4,998 2,569	13,772 5,633	615 (Z)	1,277 667	10,588 4,830	
36 37 38	Electrical machinery Transportation equipment Instruments and related	19 9	12 4	4,389 2,300	24,705 12,463	3,701 1,774	7,650 3,373	19,038 9,585	60,224 19,802	4,681 1,448	3,516 1,602	53,224 12,071	
	productsAdministrative and auxiliary ³ .	19 -	6 -	763 5 , 662	2,350 60,216	632 -	1,329	1,836 -	8,000 -	(Z)	355 3 , 397	1,655 -	

n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand. Revised.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
WASHINGTON, D.C. 20233

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Area series

WISCONSIN

preliminary report

Value added by manufacturing in 1963 in the State of Wisconsin amounted to \$5,344 million, an increase of 5 percent from 1962 and 35 percent from 195%. Of this total, \$98] million was contributed by the nonelectrical machinery industries and \$769 million by the food and kindred products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price

The 1963 Census of Manufactures is the 27th such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1.--GENERAL STATISTICS FOR THE STATE: 1958-1963

(See text for explanation of column captions)

	Establis num	hments, ber	All emp	loyees ¹	Pr	oduction worke	rs	Value	Capital	Index of change (1958 = 100)		
Year	Total With 20 or more employees		Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² ·(\$1,000)	All employ- ees, number	Value added by manufac- ture	
1963 1962 ³ 1961 ³ 1960 ³ 1959 ³	7,817 (NA) (NA) (NA) (NA) (NA) 7,793	2,403 (NA) (NA) (NA) (NA) 2,331	462,154 469,684 454,162 466,912 467,807 439,309	2,782,478 2,715,096 2,501,355 2,556,593 2,492,777 2,208,324	338,324 344,301 328,116 340,991 345,471 319,992	687,789 698,632 653,895 689,265 702,068 634,110	1,823,930 1,785,894 1,613,209 1,677,183 1,657,912 1,440,406	5,344,282 5,100,216 4,574,424 4,733,397 4,635,189 3,959,537	280,059 255,302 228,604 258,978 206,950 203,747	105 107 103 106 106 100	135 129 116 120 117 100	

(MA) Not available.

Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates, consequently, may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary

BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, or plant. Businesses with no employees are ex-cluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically signficant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll</u>.--This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number. --This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours. -- This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

<u>Production workers, wages.--This item consists</u> of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

Value added by manufacture. This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.--This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

WISCONSIN

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. These industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early 1966. (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)





Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958

(See text for explanation of column captions)

	1963											
State, standard metropolitan	Establi	shments,	All emp	loyees ²		duction wor	kers	Value	Capital expend- itures, new (\$1,000)	All	Value	
statistical areas, and counties	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)		employ- ees, number ²	added by manufac- ture (\$1,000)	
Wisconsin, total	7,817	2,403	462,154	2,782,478	338,324	687,789	1,823,930	5,344,282	280,059	439,309	3,959,537	
STANDARD METROPOLITAN STATISTICAL AREAS												
Duluth-Superior ⁴	359	82	11,501	60,352	8,807	16,454	42,186	129,163	3,634	11,375	101,811	
Portion in Wisconsin.	54	16	1,292	7,723	903	1,794	5,065	18,633	744	1,343	12,981	
Portion in Minnesota.	305	66	10,209	52,629	7,904	14,660	37,121	110,530	2,890	10,032	88,830	
Green Bay ⁵ .	274	85	13,508	81,499	10,565	22,803	58,158	186,795	25,132	12,228	121,617	
Kenosha ⁶ .	118	41	22,628	151,374	18,826	37,540	119,546	343,121	15,569	15,529	163,464	
Madison ⁷ .	292	75	13,264	81,869	8,923	17,702	51,453	140,170	6,927	12,367	100,642	
Milwaukee ⁶ .	2,355	850	194,756	1,277,435	133,207	266,791	783,695	2,224,346	96,787	189,436	1,764,511	
Racine ⁹ .	318	109	22,202	147,234	14,679	30,065	85,266	281,265	11,066	21,273	209,816	
COUNTIES1												
Ashland.	68	12	1,071	4,294	946	1,955	3,677	9,740	909	915	6,022	
Barron	81	24	2,262	8,485	1,933	3,829	6,631	19,749	895	1,686	11,722	
Bayfield.	40	3	463	2,266	400	792	1,730	4,613	(Z)	481	3,507	
Brown.	274	85	13,508	81,499	10,565	22,803	58,158	186,795	25,132	12,228	121,617	
Buffalo.	24	4	256	767	197	361	588	2,968	(Z)	261	2,802	
Burnett. Calumet. Chippewa. Clark. Columbia.	31	5	437	1,658	375	780	1,351	2,426	(Z)	275	1,389	
	69	18	2,945	14,946	2,459	5,104	11,165	31,629	1,907	2,746	21,563	
	79	21	2,425	11,322	1,895	3,816	8,320	21,868	755	3,424	30,130	
	94	14	1,107	4,553	892	1,860	3,454	11,978	723	1,072	6,837	
	69	24	2,543	10,367	2,193	4,451	8,163	21,404	899	2,408	16,329	
Crawford. Dane. Dodge. Door. Douglas.	51	7	742	3,334	627	1,298	2,704	6,433	(Z)	589	5,025	
	292	75	13,264	81,869	8,923	17,702	51,453	140,170	6,927	12,367	100,642	
	131	48	6,444	31,798	5,281	10,469	23,819	62,779	4,616	6,294	41,095	
	38	11	1,230	5,164	1,066	1,963	4,096	7,861	(Z)	1,459	8,728	
	54	16	1,292	7,723	903	1,794	5,065	18,633	744	1,343	12,981	
Dunn. Eau Claire. Fond du Lac Forrest. Grant.	33	6	543	2,285	433	848	1,713	4,954	(Z)	668	3,846	
	69	28	4,650	30,012	3,266	6,767	20,895	52,880	2,394	5,540	57,279	
	138	57	8,512	44,527	6,317	12,741	27,992	92,573	4,995	8,205	63,305	
	29	2	484	1,686	392	663	1,017	2,740	(Z)	549	3,262	
	86	4	540	1,729	423	801	1,293	4,610	(Z)	635	4,569	
Green. Green Lake. Iowa. Jacksom. Jefferson.	70 47 48 27 116	11 18 4 4 45	918 1,601 333 357 7,158	3,642 6,397 1,006 1,214 38,026	765 1,344 297 298 5,281	1,697 2,698 582 620 10,530	2,793 4,562 867 933 24,860	12,016 12,538 3,497 2,298 75,259	(Z) 551 (Z) (Z) (2) 3,472	1,101 1,333 349 235 6,810	10,919 7,852 3,248 1,204 61,209	
Juneau	28	9	950	3,322	806	1,591	2,636	8,782	511	656	5,541	
Kenosha.	118	41	22,628	151,374	18,826	37,540	119,546	343,121	15,569	15,529	163,464	
Kewaunee	46	13	1,964	8,289	1,670	3,441	6,746	13,583	999	1,644	8,903	
La Crosse	114	33	7,613	43,297	5,026	9,878	25,182	82,586	3,183	8,579	74,961	
Langlade	47	15	1,168	4,424	995	1,950	3,434	8,679	(Z)	984	5,544	
Lincoln.	64	21	2,998	13,447	2,530	5,389	10,486	32,411	2,414	2,918	23,553	
Manitowoc.	174	56	11,897	61,385	9,171	19,204	42,264	110,294	9,139	11,115	94,401	
Marathon	187	57	8,925	47,342	6,930	14,114	33,045	88,415	5,305	8,647	64,900	
Marinette	107	24	4,551	25,016	3,639	7,432	18,803	50,831	3,427	4,325	44,292	
Marquette	21	7	361	1,342	302	532	960	2,292	(Z)	325	1,291	
Milwaukee	1,858	689	176,219	1,169,791	119,110	238,045	710,453	2,016,917	87,589	175,778	1,639,153	
Monroe.	43	8	1,256	4,732	1,065	2,225	3,579	9,952	701	727	4,503	
Oneida.	47	14	1,931	11,399	1,380	2,796	7,189	24,467	960	2,126	19,163	
Outagamie	167	65	12,328	72,240	9,543	20,452	50,356	134,764	13,738	11,878	117,458	
Ozaukee*	116	51	5,684	30,611	4,407	9,078	20,708	62,486	2,406	4,221	41,991	
Pierce	24	5	325	1,081	280	571	913	2,180	(Z)	338	2,066	
	45	10	1,550	5,302	1,279	2,391	3,878	13,642	787	745	5,613	
	68	17	2,382	11,754	1,832	3,761	7,989	22,274	1,730	2,174	17,278	
	43	7	923	4,634	787	1,706	3,692	9,052	695	840	5,321	
	318	109	22,202	147,234	14,679	30,065	85,266	281,265	11,066	21,273	209,816	

Table 2.—GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1958—Continued (See text for explanation of column captions)

							,					
	1963										1958	
State, standard metropolitan	Establishments, number		All employees ²		Production workers			Value	Capital	All	Value	
statistical areas, and counties ¹	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)	
COUNTIES1 — Continued												
Richland. Rock. Rusk. St. Croix. Sauk.	46 133 34 38 80	6 46 7 10 22	460 17,107 761 1,102 2,168	1,460 116,966 3,190 5,860 8,745	363 13,624 659 817 1,721	658 29,699 1,452 1,824 3,480	1,078 87,986 2,537 3,661 6,062	12,987 358,995 5,645 13,978 23,378	(Z) 8,766 (Z) 1,218 672	349 16,922 734 1,061 1,986	3,034 187,960 5,168 5,881 14,117	
Sheboygan. Taylor Trempealeau Vermon Vilas	228 40 46 38 29	90 7 12 5 6	14,414 777 952 403 347	75,412 3,199 3,434 1,129 1,593	11,794 684 832 316 254	24,335 1,455 1,613 579 510	54,997 2,637 2,876 777 839	142,532 4,973 7,396 3,330 2,295	8,794 (Z) 941 (Z) (Z)	13,256 848 864 196 418	104,567 4,829 4,882 1,672 2,186	
Walworth. Washington. Waukesha Waupaca. Waushara.	118 99 381 100 20	30 36 110 24 6	4,818 6,004 12,853 2,662 551	23,656 34,573 77,033 11,261 2,068	3,975 4,391 9,690 2,118 489	7,738 8,710 19,668 4,209 936	17,430 21,145 52,534 7,968 1,589	49,568 76,847 144,943 21,225 3,760	2,825 3,500 6,792 1,238 (Z)	3,761 5,668 9,437 2,960 453	32,595 56,915 83,367 23,179 2,847	
Winnebago Wood.	248 105	107 33	20,389 8,971	125,587 50,513	14,009 7,167	29,639 14,715	74,975 36,744	215,804 93,623	14,528 6,898	18,860 9,173	160,743 78,722	

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

				(See text	10r explana	tion of 601	umn caption	s)					
	Industry group	1963										1958	
Code		Establishments, number		All employees		Production workers			Value	Capital	All employ-	Value	
0000		Total	With 20 or more employ-	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)	
	All industries, total ²	7,817	2,403	462,154	2,782,478	338,324	687,789	1,823,930	5,344,282	280,059	439,309	3,959,537	
20 201 202 203 204 207 208 209 22 225 229 23 232	Food and kindred products. Meat products. Dairies. Canned and frozen foods. Grain mill products. Candy and related products. Beverages. Miscellaneous foods and kindred products. Knitting mills. Miscellaneous textile goods. Apparel and related products. Men's and boys' furnishings.	1,821 162 1,032 146 82 22 180 83 71 33 20	518 59 202 101 17 10 58 17 42 24 9	58,969 9;766 17,918 8,310 1,736 1,121 11,428 1,815 6,523 4,404 1,033 7,122 1,441	315,106 61,950 87,170 30,218 10,757 5,356 79,959 9,182 28,230 17,700 5,599 24,880 4,726	41,676 7,696 12,258 7,431 1,040 849 7,091 1,213 5,423 3,655 869 5,848 1,241	85,401 15,550 25,439 15,262 2,430 1,703 14,437 2,429 10,632 7,017 1,772 11,337 2,271	201,644 45,570 54,824 23,262 5,804 3,242 47,137 5,424 18,901 11,268 4,251 17,565 3,441	769,381 102,579 244,592 70,557 36,869 12,773 218,590 28,878 58,795 36,458 13,056 40,699 7,539	49,803 5,317 17,585 6,156 2,288 630 14,950 1,091 1,145 (2) (2)	64,096 11,202 19,487 8,910 1,631 1,440 12,830 1,419 7,159 4,933 817 7,055 1,176	624,690 88,146 185,395 56,431 20,315 12,165 192,747 19,403 49,283 34,216 8,203 40,811 5,551	
233 238 239	Women's and misses' outerwear. Miscellaneous apparel Fabricated textiles, n.e.c	33 21 58	21 9 9	2,806 1,098 690	9,869 3,933 2,907	2,137 956 553	4,391 1,745 1,102	6,628 2,936 1,875	15,749 6,516 4,990	(Z) (Z) (Z)	2,665 1,179 887	16,467 6,473 5,618	
24 241 242 243 244 249	Lumber and wood products. Logging camps and contractors. Sawmills and planing mills. Millwork and related products. Wooden containers. Miscellaneous wood products.	879 330 259 160 40	138 5 31 60 15 27	16,191 1,401 2,880 8,993 1,061 1,856	64,246 3,391 10,180 39,890 4,103 6,682	14,039 1,244 2,523 7,695 942 1,635	28,984 2,261 4,875 16,411 2,133 3,304	52,101 3,028 8,276 32,038 3,420 5,339	102,131 6,160 15,384 62,416 6,141 12,030	6,060 1,155 1,280 2,720 (Z) (D)	16,235 1,078 3,099 9,509 1,300 1,249	85,603 3,962 15,943 52,950 5,729 7,019	
25 253 254	Furniture and fixtures Public building furniture Partitions and fixtures	172 23 46	51 12 5	6,469 1,521 541	30,202 8,069 2,581	5,372 1,196 445	10,756 2,452 937	21,685 5,227 2,018	49,083 14,257 4,134	1,494 (Z) (Z)	8,590 705 736	57,878 4,322 4,003	

See footnotes at end of table.

⁽Z) Less than \$500 thousand.

1Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further checking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

2Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

3Includes expenditures for both plants in operation and for plants under construction but not in operation.

4The Duluth-Superior Standard Metropolitan Statistical Area consists of St. Louis County, Minn., and Douglas County, Wis.

5The Green Bay Standard Metropolitan Statistical Area is coextensive with Brown County, Wis.

6The Kenosha Standard Metropolitan Statistical Area is coextensive with Kenosha County, Wis.

8The Milwaukee Standard Metropolitan Statistical Area is coextensive with Dane County, Wis.

9The Racine Standard Metropolitan Statistical Area is coextensive with Racine County, Wis.

9The Racine Standard Metropolitan Statistical Area is coextensive with Racine County, Wis.

Table 3.—GENERAL STATISTICS FURITHE STATE, BY GELEVIEL INTUSTRY MADUTE: 185 AU. 1954—Conninces

(See text for explanation of column captions)

						196	3				19	58
		Establi	shments,	All emp	Loyees	Pro	duction wor	kers	Value	Capital	All	Value
Code	Industry group	Total	With 20 or more employ-	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
26 264 265	Paper and allied products Paper and paperboard products Paperboard containers and	199 87	144 54	36,228 9,363	230,641 57,551	27,46° 8,115	63,514 16,903	174,880 42,931	498,868 150,692	57,874 9,282	36,279 10,094	402,698 110,379
	bexes	€3	42	6,375	37,262	4,880	10,203	25,621	66,674	4,892	6,267	56,023
271 272	Printing and publishing. Newspapers Periodicals.	636 248 60	162 51 7	22,003 7,420 682	127,252 35,924 3,510	13,579 3,195 193	26,511 6,068 331	76,103 17,621 990	223,094 66,957 10,711	9,089 1,761 (I)	20,687 6,682 741	165,821 53,361 5,617
273 275 278 279	Books. Commercial printing. Bookbinding and related work. Printing trades services.	22 445 17 60	75 6 10	2,796 9,135 747 609	19,320 58,178 3,669 3,905	1,837 6,856 572 456	3,685 13,601 1,059 863	10,950 39,566 2,276 2,988	41,915 86,743 5,335 5,302	1,378 4,897 (2) (2)	2,611 8,649 35 679	22,041 69,079 5,629
25 251 282	Chemicals and allied products Basic chemicals Fibers, plastics, rickers	252 29 15	63 6 7	6,105 403 712	38,907 2,473 4,986	3,724 225 530	7,630 452 1,222	19,965 1,248 2,958	162,994 10,558 12,380	7,010 (Z) 1,318	6,281 294 419	5,920 105,321 4,080 4,769
284 285 289	Cleaming and toilet goods Paints and allied products Miscellaneous chemical	73 36	12 12	1,558 1,184	10,566	1,052 479	2,039 1,003	5,892 2,555	86,443 20,076	3,339 562	1,562 1,128	51,536 13,317
29 299	Petroleum and coal products Petroleum and coal products,	38 33 16	9	1,017 611 251	6,432 3,819	755 395	1,571 793	4,270 2,324	16,243 11,746	(Z) 683	1,619 702	17,353 10,861
30	n.e.c				1,485	15c	301	804	6,230	(Z)	418	7,322
307	n.e.c Plastics products, n.e.c	131	56 40	7,039 3,640	39,005 17,596	5,708 2,943	11,376 5,926	28,367 12,012	71,509 32,178	2,880 1,889	7,147 2,814	72,430 23,812
31 311 314 315	Leather and leather products Leather terming and finishing Footwear, except rubber Leather gloves	129 27 45 20	59 22 41 14	15,592 3,967 8,778 1,155	70,092 23,920 35,393 3,780	13,061 3,341 7,328 1,048	25,359 7,018 13,698 1,968	51,444 18,012 25,849 3,059	123,961 43,791 59,835 4,554	1,934 1,144 628 (Z)	16,924 4,349 10,006 832	108,367 35,201 57,579 3,547
32 323 327 328	Stone, clay and glass products. Products of purchased glass. Concrete and plaster products Cut stone and stone products.	440 15 318 35	85 4 59 7	7,849 261 3,556 428	44,919 1,327 21,374 2,473	5,939 221 2,569 361	12,140 462 5,507 748	30,757 1,018 13,468 1,987	93,746 2,435 46,321 3,903	6,462 (2) 4,814 (Z)	6,322 183 3,218 575	64,687 1,066 33,636 3,611
329 , 33 331	Nonmetallic mineral products. Primary metal industries Steel rolling and finishing.	47 197 9	9 122 g	1,263 28,711 2,379	6,554 185,505 15,914	1,001 23,261 1,915	1,903 46,745 3,960	4,525 141,564 12,426	19,461 287,581 31,185	603 16,867 2,318	1,014 25,181 2,871	12,203 213,947 36,450
332 335 336	Iron and steel foundries Nonferrous rolling and drawing Nonferrous foundries	81 6 67	62 5 31	14,404 1,859 3,635	89,699 12,350 21,794	11,637 1,638 3,094	23,606 3,371 6,336	10,282 16,508	126,683 28,412 32,659	6,849 1,352 1,776	10,935 1,702 2,933	75,584
339	Primary metal industries,	25	14	6,336	45,088	4,892	9,334	34,121	66,280	4,459	6,681	20,372 57,678
34 ! 341 342 343	Fabricated metal products Metal cans	618 9 45	223 7 19	35,464 2,006 3,088	209,192 14,425 17,412	27,343 1,768 2,553	56,504 3,628 5,132	142,935 12,150 12,672	373,900 27,919 45,605	21,651 2,217 1,582	23,752 2,025 2,633	311,207 33,466 28,474
344 345 346	electric. Structural metal products Screw machine products Metal stampings	26 217 69 86	17 75 17 44	4,459 10,154 1,701 9,704	26,450 64,726 10,382 51,546	3,387 7,062 1,341 7,912	6,992 14,658 3,091 16,243	18,498 39,607 7,248 36,447	46,053 98,318 18,202 99,537	1,480 4,046 964 8,665	4,786 9,342 1,348 9,159	46,170 78,543 12,004 83,277
347 348	Metal services, n.e.c Fabricated wire products,	94	19	1,362.	6,712	1,165	2,305	5,097	10,511	540	879	5,509
349	n.e.c	26 47	5 17	858 2,132	4,473 13,066	706 1,449	1,484 2,971	3,298 7,918	7,268	704 1,453	1,062	11,317
35 351 352	Machinery, except electrical Engines and turbines Farm machinery and equipment	1,131 22 90	344 20 39	84,329 17,224	556,487 107,934	60,316 13,205 8,607	122,968 26,444	363,900 77,124	981,227 203,533	39,419 6,570	81,459 18,218	766,320 183,373
353 3 354	Construction and like equipment Metalworking machinery	88 · 278	49 68	12,474 15,625 10,421	78,988 106,977 75,715	10,899 7,278	17,628 22,587 15,026	50,966 67,888 49,018	140,857 197,702 105,425	5,590 5,417 6,235	14,305 15,376 7,809	131,662 135,329 ·71,099
355 356 358	Special industry machinery General industrial machinery. Service industry machines	112 184 55	50 61 17	9,063 9,877 5,407	61,358 70,224 33,115	3,934 6,766 3,292	14,006 13,945 6,510	43,162 42,724 17,506	104,295 124,032 64,503	5,244 5,470 2,163	8,195 9,808 5,075	68,461 102,412 53,120
36 361 362 363 364 367	Electrical machinery Electric distribution products Electric industrial apparatus Household appliances. Lighting and wiring devices Electronic components	211 27 56 30 27 31	122 16 35 16 9	49,227 4,142 20,648 6,039 1,358 2,711	312,785 28,079 134,003 35,843 7,767 14,130	33,241 2,678 15,116 4,379 852 2,082	65,040 5,204 29,403 8,705 1,758 3,782	178,363 14,822 37,492 22,829 4,187 8,310	592,727 45,199 271,976 76,658 11,329 23,259	24,698 1,912 12,275 3,093 (Z) 388	F-5,721 3,353 20,654 6,800 1,348 2,403	7-13, -76 36,996 187,308 65,386 8,446 13,905

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958—Continued (See text for explanation of column captions)

-				(200 0010	TOI CAPIANA	0101 01 001	- Caption					
						196	3				19	58
Code	Industry group		shments,	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
37 371	industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
	Transportation equipment Motor vehicles and equipment Ship and boat building	135 54 47	66 30 14	44,007 38,850 2,312	299,416 272,263 11,852	38,180 33,993 1,968	79,031 70,664 3,887	249,539 229,347 9,444	733,739 694,147 17,079	26,219 24,598 509	32,681 26,325 2,934	357,798 306,724 21,699
38 382	Instruments and related products Mechanical measuring devices	74 19	22 8	6,120 2,757	34,955 17,495	4,142 1,718	8,306 3,448	21,038 9,802	71,879 38,714	2,950 873	r ₅ ,226 2,595	r45,498 23,238
39 393 394 398 399 190	Miscellaneous manufacturing, including ordnance instruments and parts. Toys and sporting goods Miscellaneous manufactures in the control of the control	280 10 82 146	77 5 29 36	9,528 613 2,733 4,138	46,127 3,189 9,658 20,465	7,573 507 2,389 3,330	14,702 1,022 4,343 6,756	30,771 2,359 7,212 14,404	97,035 7,194 18,743 42,948	3,024 (Z) 793 1,169	8,158 519 2,060 3,665	62,479 3,737 12,334 28,085
	Administrative and auxiliary4	-	-	14,025	120,572	-	-	-	-	~	10,574	-

⁻ Represents zero. n.e.c. Not elsewhere classified.

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958 (See text for explanation of column captions)

				(000 0000				- ,				
						196	3				19	58
		Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new1 (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
			MILWAUKEE SMSA (See footnotes at end of table 2 for SMSA description)									
	All industries, total ²	2,355	850	194,756	1,277,435	133,207	266,791	783,695	2,224,346	96,787	189,436	1,764,511
20 201 202 205 207 208 209	Food and kindred products. Meat products. Dairies. Bakery products. Candy and related products. Beverages. Miscellaneous foods and kindred products.	49 28 37 12 37	112 24 14 25 9 19	19,974 2,692 2,047 3,863 1,028 8,379	126,380 17,643 13,681 16,628 5,067 63,068	12,667 2,098 817 2,244 775 5,290	25,488 4,087 1,645 4,393 1,550 10,692	73,701 12,672 4,857 9,267 3,027 37,755	311,173 32,100 36,352 27,069 12,190 174,532	16,099 (Z) 1,373 872 595 11,426	23,498 4,358 2,395 3,976 1,272 9,799	277,728 36,607 29,267 27,786 10,322 154,178
22 225	Textile mill products		13 8	1,363 1,045	5,421 3,972	1,184 904	2,375 1,785	4,203 3,059	10,517 7,149	(Z) (Z)	1,363 1,022	8,910 6,495
23 232 233 239	Apparel and related products Men's and boys' furnishings Women's and misses' outerwear. Fabricated textiles, n.e.c	74 5 18 29	30 4 10 7	3,281 357 1,963 387	12,254 1,159 7,535 1,637	2,478 320 1,365 319	5,053 586 2,936 633	7,803 883 4,595 1,039	19,516 2,033 11,886 2,724	(z) (z) (z) (z)	3,447 315 2,012 467	21,676 1,332 14,177 2,686

⁽D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500

thousand.

¹Includes expenditures for both plants in operation and for plants under construction but not in operation.

²The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

³Includes data for privately owned and/or operated establishments in Major Group 19, "Ordnance and Accessories." Government owned and operated establishments are excluded.

⁴In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

WISCONSIN

Table 44.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958—Continued (See text for explanation of column captions)

Industry group mber and wood products Milwork and related products. urniture and fixtures Public building furniture aper and allied products	Establi num Total	With 20 or more employ-	All emp	loyees	Pro	duction wor	kers	Value added by	Capital expend-	All employ-	Value added by
umber and wood products	71	or more employ-	Mount								
Millwork and related products. Public building furniture			Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	manufac- ture (\$1,000)	itures, new1 (\$1,000)	ees, number	manufac- ture (\$1,000)
Public building furniture		12 7	1,007 625	5,370 3,741	767 437	1,660 866	3,978 2,646	8,054 5,404	(Z) (Z)	(D) (D)	(
mer and allied products	64 7	10 4	1,131 592	6,333 3,736	870 445	1,725 865	3,955 2,123	11,553 6,803	(Z)	1,308 266	9,9 1,5
Paperboard containers and	56	30 13	4,235 2,211	24,964 13,374	3,190 1,671	6,777	16,097	40,446	1,857	4,456	37,8
rinting and publishing	295	69	10,685	62,902	6,091	3,567 11,655	8,923 35,759	21,435 99,811	1,122 3,966	2,738 10,681	22,3
Periodicals	24	5	473	2,468	126	225	716	3.655	(Z)	275	2,
Commercial printing	180 10	39	5,026 680	34,688	3,600 509	7,025 946	22,419	46,507	2,960	5,473	44,
Bookbinding and related work Printing trades services	38	6	371	3,362 2,377	263	500	2,009 1,732	4,991 3,092	(Z) (Z)	736 430	5, 3,
nemicals and allied products	116	33	3,089	19,915	1,561	3,220	7,937	52,622	1,704	3,139	37,
Basic chemicals	16	5	293	1,779	164	324	895	8,133	(Z)	180	2,3
Drugs	15 40	6	601 627	3,532 3,862	254 348	497 662	1,142 1,496	9,622 7,887	(Z) (Z)	695 494	8,
Paints and allied products	16	8	893	6,188	356	761	1,986	16,636	(z)	834	10,
Miscellaneous chemical products	18	5	493	3,169	359	803	2,015	7,508	(z)	799	10,
ibber and plastics products,	53	24	1,448	7,126	1,215	2,348	4,905	13,773	1,053	1,319	11,
Plastics products, n.e.c	40	19	1,185	5,604	1,023	1,970	4,095	9,968	792	1,087	9,
eather and leather products	59	35	5,833	29,584	4,712	9,156	20,308	52,009	986	6,587	50,
Leather tamning and finishing. Footwear, except rubber	21 13	16 11	2,622 2,666	15,450 12,119	2,220 2,018	4,627 3,590	11,479 7,267	31,030 17,785	865 (Z)	2,844 3,193	24, 23,
tone, clay and glass products	128	31	2,665	16,628	1,746	3,292	10,014	29,450	2,138	1,889	22,
Concrete and plaster products. Nonmetallic mineral products	73 22	21 3	1,127	7,838 1,944	763 243	1,575	4,704 1,027	16,932 3,902	1,385 (Z)	1,194	14,
rimary metal industries	104	67	19,090	127,555	15,158	30,168	96,212	183,216	12,567	16,922	143,
Steel rolling and finishing	5	4	1,581	10,690	1,290	2,633	8,427	18,995	1,930	2,009	27,
			9,266 2 124	59,719 13 225	7,377	14,841	44,676 9.734		5,180		13,
Primary metal industries,											
n.e.c							-		4,326	,	54,
abricated metal products				98,286					7,314	14,908	148,
Plumbing and heating, except	12	8		7,849	947				(Z)		15, 21,
Structural metal products	94	40	5,633	39.501	3,746	7,801	22.754	57,171	2,138	5,709	51.
				10,800		3 893	7 785	9,554			6,
Metal services, n.e.c	46	12	759	4,048	647	1,235	3,112	6,324	(Z)	621	3,
Fabricated metal products,	27		(2)		100		0.503		(a)	100	
											2,
	527	159	12.138		9,207	18.081		147.098	3.831	47,467 (D)	459,
Farm machinery and equipment Construction and like	10	4	3,624	22,926	2,059	4,082	12,461	47,570	1,647	6,226	57,
equipment			12,558	87,012	8,481	17,131	53,007	153,571	4,870	12,428	103,
			2,065	14.498		2,727	8.004				36, 23.
General industrial machinery	97	31	5,901	43,125	4,051	8,239	26,105	76,143	3,693	6,155	63,
											12,
ectrical machinery			32,790 2 694		20,646		124,810	437,940	19,455	2 574	r ₃₀₄ ,
Electric industrial apparatus.	27	18	16,179	108,592	12,094	23,617	73,370	229,680	11,139	(D)	
Lighting and wiring devices	12	6	725	4,548	470	998	2,488	8,316	(Z)	714	5,
ransportation equipment	30	15	15,181	103,886	13,399	26,949	88,411	173,908	5,150	10,903	88,
nstruments and related products	34	10	2,797	17,527	1,770	3,499	10,017	37,517	819	r ₂ ,930	r ₂₄ ,
iscellaneous manufacturing,	120	20	2.750	7.5.000	0 500	F 70/	12 300	20 /20	000	2 010	14.
			547	2,103			1,495			2,018	14,
TOYS and Sporting goods			2.77	,,,,,,	1	002	1,	7,015	(27)		,
Toys and sporting goods Miscellaneous manufactures ³	64	24	2,507	13,153	2,037	4,091	9,268	25,541	542	1,611	12,
I M A A A A A A A A A A A A A A A A A A	Iron and steel foundries Nomferrous foundries Primary metal industries, n.e.c. bricated metal products Dutlery, hand tools, hardware. Plumbing and heating, except electric. Structural metal products. Metal serwices, n.e.c. Farbricated metal products, n.e.c. chinnery, except electrical. Engines and turbines. Farm machinery and equipment. Construction and like equipment. Metalworking machinery. Special industry machinery. Service industry machinery. Service industry machinery. Electric distribution products Electric industrial machinery. Electric distribution products Electric industrial apparatus. Lighting and wiring devices. ansportation equipment. struments and related products scallaneous mmufacturing, noluding ordnance ³	Iron and steel foundries	Tran and steel foundries	Tron and steel foundries	Tron and steel foundries 35 30 9,266 59,719 Nomferrous foundries 37 18 2,124 13,225 Primary metal industries 19 11 5,909 42,532 Dricated metal products 283 110 14,977 98,286 Dutlery, hand tools, hardware 16 8 1,972 11,675 Plumbing and heating except electric 12 8 1,325 7,849 Structural metal products 94 40 5,633 39,501 Metal stampings 40 19 1,681 10,800 Metal services n.e.c 46 12 759 4,048 Pabricated metal products 24 6 634 3,735 Chinery except electrical 527 159 45,048 307,672 Engines and turbines 9 9 12,138 78,184 Farm machinery and equipment 10 4 3,624 22,926 Construction and like equipment 162 41 5,900 45,476 Special industry machinery 37 17 2,065 14,498 Service industry machinery 97 31 5,901 43,125 Service industry machinery 97 31 5,901 43,125 Service industry machinery 90 54 32,790 230,553 Electric distribution products 14 7 2,694 20,936 Electric distribution moducts 14 7 2	Tran and steel foundries	Nonferrous foundries	Nonferrous foundries	Nonferrous foundries	Nonferrous foundries	Nonferrous foundries

⁽D) Withheld to avoid disclosing figures for individual companies. n.e.c. Not elsewhere classified. (Z) Less than \$500 - Represents zero.

- Represents zero. (D) Withheld to avoid disclosing figures for individual companies. n.e.c. Not elsewhere classified. (Z) Less than \$500 thousand.

Includes expenditures for both plants in operation and for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or, (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

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PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III. Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II. Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

WASHINGTON, D.C. 20233

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE







Area series

WYOMING

preliminary report

Value added by manufacturing in 1963 in the State of Wyoming amounted to \$83 million, an increase of 8 percent from 1962 and 33 percent from 1958. Of this total, \$37 million was contributed by the petroleum and coal products industries and \$17 million by the food and kindred products industries, the two leading industry groups in the State.

This report presents preliminary results from the 1963 Census of Manufactures for the State, its standard metropolitan statistical areas (SMSA) (if any) and its counties. Historical comparisons are included for the State as a whole as well as 1958 figures on employment and value added for the smaller areas. Figures are provided for industry groups within the State and for the SMSA's with 40,000 or more employees.

The figures shown in this report have been subjected only to a preliminary review, and must be regarded as tentative approximations of the final census figures. No adjustments have been made in the value figures for changes in price level.

The 1963 Census of Manufactures is the such census of the United States since 1809. 1963, it was conducted jointly with the censuses of business (wholesale, retail, and services) and mineral industries. Separate censuses of manufactures and business were conducted in Puerto Rico. Present legislation (Title 13 of the United States Code) provides for a census of manufactures every 5 years, and, as recently amended, to cover years ending in "2" and "7." Thus, the next census will

Table 1. -- GENERAL STATISTICS FOR THE STATE: 1958-1965

(See text for explanation of column captions)

	Establis num	hments,	All emp	loyees ¹	Pr	oduction worke	rs	Value	Capital	Index of (1958	change
Year	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures new ² (\$1,000)	All employ- ees, number	Value added by manufac- ture
1963. 1962 ³ 1961 ³ 1960 ³ 1959 ³	345 (NA) (NA) (NA) (NA)	74 (NA) (NA) (NA) (NA) (NA)	r0,913 r6,716 r7,077 r6,740 r6,033 r6,412	r37,919 r36,652 r37,000 r33,002 r33,276 r31,703	4,831 4,786 5,117 5,021 4,991 4,699	9,552 9,152 9,815 9,834 9,798 9,052	25,317 22,757 23,775 23,384 23,499 22,245	82,978 76,525 69,839 72,662 71,555 62,558	14,189 (4,230) 10,477 11,383 4,286 6,985	107 104 110 104 103 100	133 122 112 116 114 100

(IM) Not assilett. *Revis-i.*
Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)
Includes expenditures for plants under construction but not in operation.
The data are estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufactures. These estimates derived from a results that would have been obtained from a complete canvass of all manufacturing establishments. The standard errors associated with these estimates are published in the annual survey of manufactures volumes for this period. Figures shown in parenthesis may be of limited reliability since they either have associated standard errors exceeding 15 percent or are not consistent with related data.

May 1965

U.S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary BUREAU OF THE CENSUS



be conducted in 1968 covering manufacturing activity in 1967. Title 13 also authorizes an annual sample survey of manufacturing establishments in intercensal years. Accordingly, for the years 1959 through 1962, figures comparable with those shown in this publication are available for States and divisions.

ESTABLISHMENTS (PLANTS)

In the census of manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location at which such industrial operations are performed; for example, a factory, mill, Businesses with no employees are exor plant. cluded from the scope of the census. Of the approximately 310,000 manufacturing establishments covered in the 1963 census, most are operated by single-establishment companies. A single report was obtained from such companies. Firms operating more than one establishment were required to submit a report for each separate location. Also, companies engaged in distinctly different lines of activity at one location submitted separate reports for each activity if the company records permitted such a separation, and if the separate activities were economically significant.

CENTRAL ADMINISTRATIVE OFFICES AND AUXILIARY UNITS

In the 1954, 1958, and 1963 censuses, respondents were asked to file separate reports for any central administrative offices or auxiliary units which were: (1) at different locations from the establishments served or, (2) at the same location as one of these establishments, but were not operated as an integral part thereof and served two or more establishments. The functions of employees in central administrative offices include: general company policy determination, planning and management (i.e., company purchasing, accounting, general engineering, direction of company personnel matters, and legal and patent matters). Auxiliaries are storage facilities, garages, repair shops, purchasing offices, sales promotion offices, and research laboratories serving the plants or central management of the company. For 1959-1962 employment and payrolls in central offices and auxiliaries were estimated to be the same as in 1958.

EXPLANATION OF TERMS

All employees, number.--This item includes all production and related workers, force-account construction workers, and all nonproduction personnel of manufacturing establishments. The 1963 figures are an average of reported employment totals for the payroll periods ended nearest the 15th of March, May, August, and November. (For highly seasonal industries, an average employment derived from 12 mid-month pay periods will be included in the final reports for the census.)

<u>Payroll.</u>—This total includes all forms of compensation (salaries, wages, commissions, bonuses, vacation pay, and other remuneration) paid during the year to all employees of the establishment. Payroll is reported before deductions for Social Security, income tax, group insurance, union dues, etc.

Production workers, number.-This number includes all workers (up to the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivery), maintenance, repair, janitorial, and watchman services, product development, auxiliary production for plant's own use (e.g., power plant), record keeping, and other services closely associated with these production operations; it excludes supervisory employees above the working foreman level, force-account construction workers, and all other nonproduction personnel of manufacturing establishments.

Production workers, man-hours. --This total includes all "plant man-hours" of production and related workers. It consists of all man-hours worked or paid for in 1963, except hours paid for vacations, holidays, or sick leave, when the employee was not at the plant. The figure includes actual overtime hours, not straight-time equivalent hours.

Production workers, wages.--This item consists of that portion of the payroll (as defined above) paid to production workers of manufacturing establishments.

<u>Value added by manufacture.</u>--This measure is derived for each manufacturing establishment by subtracting the cost of raw materials, parts, components, supplies, fuels, goods purchased for resale, and contract work, from the value of shipments (including resales) and adjusting for the net change in finished goods work-in-process inventory.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Capital expenditures, new.-This figure includes, for all manufacturing plants in operation and under construction in 1963: Expenditures for new structures and additions (including major alterations, capitalized repairs, and improvements) to the manufacturing plant, whether on contract or by the plant's own work force; new machinery and new equipment; and capitalized repairs and improvements to existing machinery and equipment. Excluded from the new expenditures total are those expenditures for "used" plant and equipment acquired from others, and expenditures for land.

WYOMING

STANDARD METROPOLITAN STATISTICAL AREAS

Standard metropolitan statistical areas are integrated economic and social units with a large volume of daily travel and communication between the central city (having 50,000 or more population) and outlying parts of the area. Each area (except in New England) consists of one or more whole counties. An area may contain not only highly industrialized counties but also adjoining counties which, though primarily residential in character, contribute significantly to the industrial counties' labor force and are socially and economically integrated with the central city. These areas were defined by the Federal Committee on Standard Metropolitan Statistical Areas of the U.S. Bureau of the Budget for general purpose use throughout the Federal Government in presenting economic and social data. In the New England States, similar integration criteria have been applied in defining SMSA's on a city and town basis because towns rather than counties are regarded as the significant unit in this region of the country.

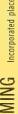
The requirement that each SMSA consists of county units (except in New England) sometimes results in the inclusion in an area of a considerable amount of territory which would not ordinarily be considered "metropolitan," much less "industrial." It is recognized that metropolitan areas could be more accurately defined in terms of

smaller area segments such as minor civil divisions, but the usefulness of areas so defined would be limited by the fact that many types of economic and social data are available only on a county basis.

Each SMSA is designated by the name of the principal city of the area. In addition to the name of the principal city, the area title may include one or two additional city names.

1963 CENSUS OF MANUFACTURES PUBLICATION PROGRAM

The general statistics for each industry, shown by geographic region and State, as well as figures on individual products of the industry, will appear in the Preliminary Industry Reports, Series MC63(P)-20A through MC63(P)-39D. industry reports are scheduled for publication during the first half of 1965. More detailed figures for each industry will appear in the final Industry Reports which will be published during the summer of 1965. Preliminary reports for States, standard metropolitan statistical areas, and counties, Series MC63(P)-S1 through MC63(P)-S51, will be released shortly with final State reports scheduled for publication in late 1965 and early (Order forms which list these reports and their prices may be obtained from the U.S. Department of Commerce field offices or from the Bureau of the Census, Washington, D.C. 20233.)



4



BUREAU OF THE CENSUS

WYOMING

Patle 2. —GENERAL STATISTICS FOR THE STATE, STANDARD METROPOLITAN STATISTICAL AREAS, AND COUNTIES: 1963 AND 1968

(See text for explanation of column captions)

			(DCC UCX)	tor explaina	01 01 001	dun caption	· · · · · · · · · · · · · · · · · · ·				
					196	3				19	58
State, standard metropolitan.	Establi num	shments,	All emp	loyees ²	Pro	duction wor	kers	Value	Capital	All	Value
statistical areas, and counties ¹	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ³ (\$1,000)	employ- ees, number ²	added by manufac- ture (\$1,000)
WYOMING, TOTAL	345	74	6,913	37,919	4,831	9,552	25,317	82,978	14,189	r _{6,452}	62,558
STANDARD METROPOLITAN STATISTICAL AREAS											
(None in this State)											
COUNTIES1											
Albany Fremon'. Laramie. Linsoln.	19 28 38 17	9 5 12	1,323 336	3,121 1,509 7,538 1,107	569 263 669 273	1,112 530 1,293 490	2,686 1,203 4,141 851	5,436 4,056 13,428 1,874	(Z) (Z) 813 (Z)	591 198 1,045 209	4,823 1,517 10,549 2,043
Natrona Park Sheridan Washakie	49 22 19 17	11 4 c 5	1,456 422 355 298	9,720 2,783 1,757 1,639	1,020 268 202 238	2,012 581 411 526	6,486 1,518 815 1,271	23,923 5,351 2,706 3,449	810 (Z) (Z) (Z)	1,789 314 291 222	16,591 1,767 2,327 2,615

⁽²⁾ Less than \$500 thousand. Revised,

1 Some counties were withheld from publication in order to (a) avoid disclosing figures for individual companies or (b) permit further thecking of the figures for the smaller counties. Additional detail will appear in the final report for this State.

2 Includes employment and payroll at central administrative offices and auxiliary units. (For a definition of these units see text.)

3 Includes expenditures for plants under construction but not in operation.

Table 3.—GENERAL STATISTICS FOR THE STATE, BY SELECTED INDUSTRY GROUPS: 1963 AND 1958

(See text for explanation of column captions)

						196	3				19	58
Code	T- 3	Establi num	shments, ber	All emp	loyees	Pro	duction wor	kers	Value	Capital	All	Value
Code	Industry group	Total	With 20 or more employ- ees	Number	Payroll (\$1,000)	Number	Man-hours (1,000)	Wages (\$1,000)	added by manufac- ture (\$1,000)	expend- itures, new ¹ (\$1,000)	employ- ees, number	added by manufac- ture (\$1,000)
	All industries, total ²	345	74	6,913	37,919	4,831	9,552	25,317	82,978	14,189	r _{6,452}	62,558
20 202	Food and kindred products Dairies	77 19	23 9	1,537 353	6,952 1,685	1,055 188	2,165 372	4,433 718	17,204 4,145	1,079 (Z)	1,417 399	12,487 3,011
24 242	Lumber and wood products Sawmills and planing mills	99 51	16 12	1,152 755	4,341 2,887	1,038 688	1,984 1,337	3,854 2,613	7,856 5,477	974 663	850 667	4,612 3,531
27 271	Printing and publishing Newspapers	51 33	12 8	707 554	3,336 2,613	392 292	790 590	1,987 1,503	6,177 4,745	(Z) (Z)	620 481	4,648 3,851
29	Petroleum and coal products	13	9	2,131	15,569	1,327	2,520	9,620	36,824	11,126	2,421	31,931
32	Stone, clay and glass products	47	8	675	3,937	563	1,195	3,194	9,389	518	545	5,181
	Administrative and auxiliary ³	-	-	(D)	(D)	-	-	-	-	-	97	-

Table 4.—GENERAL STATISTICS FOR STANDARD METROPOLITAN STATISTICAL AREAS WITH 40,000 OR MORE MANUFACTURING EMPLOYEES: 1963 AND 1958

(This State contained no standard metropolitan statistical areas with 40,000 or more manufacturing employees)

Represents zero. (D) Withheld to avoid disclosing figures for individual companies. (Z) Less than \$500 thousand. Revised.

Includes expenditures for plants under construction but not in operation.

The "All industries, total" includes figures for industry groups which have been withheld from publication in order to (a) avoid disclosing figures for individual companies in this or associated industries or areas or (b) permit further checking of figures for smaller industry groups. Additional detail will appear in the final report for the State.

In addition to the employment and payroll reported for operating manufacturing establishments, manufacturing concerns ordinarily reported separately for central administrative offices or auxiliary units which service the manufacturing establishments of a company (e.g., research laboratories, storage warehouses, power plants, garages, repair shops, etc.). A separate report was usually obtained for each central office or auxiliary unit if it was located at a different general location from the manufacturing establishment(s) served or if it serviced two or more manufacturing establishments and was not operated as an integral part of the establishment at the same location. Employment and payroll of central administrative offices and auxiliaries are included in the totals for the area.

PUBLICATION PROGRAM 1963 CENSUSES OF MANUFACTURES AND MINERAL INDUSTRIES

Results of the 1963 Censuses of Manufactures and Mineral Industries will be issued initially in preliminary reports which will furnish summary data. These reports will be superseded by more detailed final reports. An outline of the publication program is shown below.

PRELIMINARY REPORTS

Summary Series

Manufactures (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. General statistics will also be presented for industries grouped according to market categories—durable and nondurable goods industries. A second report will provide general statistics without industry detail for regions, States, and large standard metropolitan statistical areas.

Mineral Industries (2 reports). One report will present general statistics at the U.S. level for each 4-digit industry and 2- and 3-digit industry group. A second report will provide general statistics by 2-digit industry group for regions and States.

Industry Series

Manufactures (about 370 reports). Separate reports for virtually all of the 430 manufacturing industries will give industry totals for general statistics for the United States and for regions and States. A product table in each report will give the quantity and value of shipments of the products classified in the industry for the United States.

Mineral Industries (about 45 reports). Separate reports for industries or for groups of industries for all of the 50 mineral industries will present general statistics for the United States and for regions and States. A product table will give the quantity and value of shipments of the products classified in the industry for the United States and for regions and States.

Area Series

Manufactures (51 reports). A separate report for each State and the District of Columbia will present general statistics for the State and for the larger standard metropolitan statistical areas within the State by 2-digit and selected 3-digit industries, and for most individual counties on an "all manufacturing" basis.

Subject Series

Manufactures (2 reports). One report will provide data on the number of establishments, employment, and

value added by manufacturing for each 4-digit industry according to employment size of the establishment in each industry. A separate report will provide statistics on inventories for each 4-digit industry on a national basis; State data on inventories will also be provided.

Mineral Industries (one report). This report will provide number of establishments, employment, and value added in mining for each 4-digit industry according to employment size of the establishment in each industry.

FINAL REPORTS

All preliminary reports will be superseded by comparable final reports. After separate final reports have been issued, they will be assembled and reissued in cloth bindings as follows:

Manufactures

Volume I, Summary Statistics

Volume II, Industry Statistics Part 1, Major Groups 20-28 Part 2, Major Groups 29-39

Volume III, Area Statistics

Mineral Industries

Volume I, General Summary and Industry Statistics

Volume II, Area Statistics

1963 CENSUS OF MANUFACTURES IN PUERTO RICO

A separate 1963 Census of Manufactures was conducted jointly by the Puerto Rico Planning Board, Government of the Commonwealth of Puerto Rico, and the U.S. Bureau of the Census. A report of the findings will include statistics of manufacturing activity by industry and geographic area on value added by manufacture, employment, payrolls, inventories, capital expenditures, etc.

Additional Information and Order Forms

A more detailed description of the publication program of the 1963 censuses, including tentative publication dates, is available free of charge. Separate announcement and order forms for the preliminary reports of the censuses of manufactures and mineral industries are also available free of charge. Requests for order forms should specify which report series is desired. All requests should be addressed to the Publications Distribution Section, Bureau of the Census, Washington, D.C., 20233.

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
WASHINGTON, D.C. 20233

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PUERTO | General Statistics for RICO Industry Groups and Industries

preliminary report

This report presents the preliminary results from the 1963 Census of Manufactures of Puerto Rico. Statistics are shown for 265 of the approximately 430 Standard Industrial Classification (SIC) industries as well as for 119 industry groups and the 20 broad major groups within manufacturing.

Figures in this report have been subjected only to a preliminary review and should be regarded as approximations of the final census figures to be released later. Some industry totals have been withheld for additional checking of figures.

The 1963 Census of Manufactures of Puerto Rico is the ninth such canvass of manufacturing activities in the Island during this century; the first census covered the year 1909. For 1963, the Census of Manufactures was conducted concurrently with the Census of Business (Wholesale, Retail, and Services) and represents a joint project of the Planning Board, Commonwealth of Puerto Rico, and the Bureau of the Census, U.S. Department of Commerce. This Census was authorized by an Act of Congress of the United States (13 U.S.C. 131 and 224) and an Act of the Legislature of the Commonwealth of Puerto Rico (Act No. 11 of March 27, 1950).

Este informe presenta los resultados preliminares del Censo de Manufacturas de Puerto Rico para 1963. Se muestran estadísticas para 265 de un total aproximado de 430 industrias individuales incluídas en la Clasificación Industrial Uniforme (CIU) así como para 119 grupos industriales y los 20 grupos principales dentro de la manufactura.

Como las cifras mostradas en este informe han sido objecto de una revisión preliminar solamente, éstas deben ser consideradas como aproximaciones a las cifras finales censales que serán publicadas en una fecha futura. Algunos totales de industrias han sido omitidos hasta tanto se efectúe una revisión adicional de las cifras.

El Censo de Manufacturas de Puerto Rico para 1963 es la novena encuesta general de actividades manufactureras en la Isla durante este siglo; el primer censo cubrió el año 1909. Para el 1963, el Censo de Manufacturas fue tomado a la misma vez que el Censo de Comerico (al por mayor, al detal y servicios) y representa un proyecto conjunto de la Junta de Planificacion del Gobierno del Estado Libre Asociado de Puerto Rico, y el Negociado del Censo del Departamento de Comercio de los Estados El Censo de 1963 fue autorizado por una Ley del Congreso de los Estados Unidos (13 C.E.U. 131 y 224) y por una Ley de la Legislatura del Estado Libre Asociado de Puerto Rico (Ley Núm. 11 del 27 de marzo de 1950).

Table 1. -- SUMMARY FOR SELECTED YEARS

See Accendix for exclanation of solumn cautions)

		Pro-	All emp	loyees	Proquetion	n workers	Home		Value	Capital
Year	Estab- lishments	prietors and partners	Average for	Salaries and	Average for	Wages	worker wages	Value of shipments	added by manufac- ture	expend- itures
	(number)	(number)	year (number)	wages (\$1,000)	year (number)	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)
1965 1958	2,246 2,042 1,938	1,082 1,181 1,298	99,517 71,188 69,022	242,433 132,169 83,263	84,849 60,047 60,336	180,225 53,320 59,289	1,351 2,049 6,034	1,483,793 774,351 (NA)	624,179 292,142 19 9,706	88,689 31,892 (NA)

(NA) Not available.

May 1965

U. S. DEPARTMENT OF COMMERCE, John T. Connor, Secretary **BUREAU OF THE CENSUS**

PUERTO RICO PLANNING BOARD, Rafael Garcia Santiago, Chairman BUREAU OF ECONOMIC AND SOCIAL ANALYSIS, Miguel Echenique, Director

INDUSTRY CLASSIFICATION

In the Census of Manufactures, figures are collected from each manufacturing establishment engaged in the mechanical or chemical transformation of materials into new products. A manufacturing establishment usually consists of a single physical location where such industrial operations are performed; for example, a factory or mill. In the SIC system, each establishment is classified in a particular industry on the basis of the value of the principal products it produces. As the statistics (employment, payroll, value of shipments, etc.) are reported for each establishment as a whole, the aggregates of such figures for an industry reflect not only the primary production activities of the establishments classified in that industry, but also their manufacture of secondary products and receipts for their other activities (contract work on materials owned by others, repair work, etc.). (See "Value of Shipments," in the Appendix.)

The SIC system combines the approximately 430 4-digit industries into 150 3-digit industry groups, which are, in turn, combined into 20 major 2-digit industry groups.

Statistics in this report and the final one for the 1963 Census of Manufactures of Puerto Rico are presented in accord with the 1957 edition of the Standard Industrial Classification Manual published by the United States Bureau of the Budget, as amended through December 31, 1963.

ESTABLISHMENTS

A separate report has been obtained for each establishment which had one or more employees during 1963. Of the approximately 2,250 manufacturing establishments covered in the 1963 Puerto Rico Census, most are operated by single-establishment companies. A single report was received from such companies. Firms operating more than one establishment had to submit a report for each separate plant location. Also, the relatively few companies engaged in distinctly different lines of activity at one location were required to submit a separate report for each activity, if the company records permitted such a separation, and if the separate activities were substantial in size.

CLASIFICACION INDUSTRIAL

En el Censos de Manufacturas se recolectan cifras de cada establecimiento manufacturero dedica do a la transformación mecánica o química de materiales en productos nuevos. Un establecimiento manufacturero usualmente consiste de un sólo local físico donde tales operaciones industriales se ejecutan; por ejemplo, una fábrica, o un molino. De acuerdo con el sistema de CIU, cada establecimiento se clasifica dentro de una industria en particular a base del valor del producto principal que elabora. Como las estadísticas (empleo, nómina, valor de las ventas, etc.) se informan para cada establecimiento en general, el conjunto de tales cifras para una industria refleja no sólo las actividades de producción primarias de los establecimientos clasificados en esa industria, sino también su manufactura de productos secundarios y los ingresos por otras actividades (trabajo por contrato con los materiales suplidos por otros, trabajo de reparaciones, etc.) (Vea "Valor de las Ventas" en el Apéndice.)

El sistema CIU combina aproximadamente 430 industrias con números de clave a cuatro dígitos dentro de 150 grupos de industrias con numeros de clave a tres dígitos, que son a su vaz, combinados dentro de 20 grupos de industrias principales con números de clave a dos digitos.

Las estadísticas en este informe y en la publicación final del Censo de Manufacturas de 1963 de Puerto Rico están basadas en la edición de 1957 del Manual de Clasificación Industrial Uniforme publicada por el Negociado del Presupuesto de los Estados Unidos según enmendado al 31 de diciembre de 1963.

ESTABLECIMIENTOS (FABRICAS)

En el Censo de Manufacturas se obtuvo un informe separado para cada establecimiento que tuvo uno o más empleados durante el 1963. De los aproximadamente 2,250 establecimientos manufactureros cubiertos por el Censo de 1963, la mayoría eran operados por compañías con un sólo establecimiento. Se obtuvo un sólo informe de tales compañías. Las firmas que operaron más de un establecimiento se les requirió que sometieran un informe por separado para cada uno. También a las relativamente pocas compañías dedicades diferentes líneas de actividad en un local se las requirió que sometieran un informe por separado de cada actividad, si los registros de la compañía permitían tal separación y si las actividades separadas fueron suficientemente grandes.

Table 2.--INDUSTRY GROUPS AND INDUSTRIES: 1965 AND 1958

(See Appendix for explanation of column captions)

]	.963						1956	******
				All emg	ployees	Produ work	nction			Value			A77 am	V-2
Code	Industry group and industry	Estab- lisn- ments	Pro- prietors and partners	Average for	Sal- aries and	Average for	Wages	Home worker wages	Value of shipments	added by manu- facture	Capital expend- itures	Estab- lish- ments	All em- ployees, average for year	Value added by manu- facture
		(number)	(number)	year (number)	wages \$1,000)	year (number)	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(number)	(number)	(\$1,000)
	All industries, total	2,246	1,082	99,517	242,433	84,849	180,225	1,351	1,483,793	624,179	88,688	2,042	71,188	292,142
20 21 22 23 24	Food and kindred products	471 84 53 386 75	313 49 2 118 58	21,141 6,833 4,970 26,678 607	57,337 11,444 10,654 50,670 1,414	15,417 6,627 4,471 24,882 560	34,758 10,481 9,054 44,287 1,158	26 - - 1,183 1	553,627 62,457 50,404 179,220 5,674	189,680 26,818 20,546 90,722 2,462	31,871 137 2,847 3,188 80	510 142 55 347 49	17,082 4,509 4,444 17,998 466	95,617 10,119 15,201 44,206 1,230
25 26 27 28 29	Furniture and fixtures	205 27 133 80 9	137 1 88 11	3,691 1,286 1,885 2,357 1,362	8,240 4,587 6,543 8,172 (D)	3,138 1,019 1,132 1,658 1,103	6,081 3,138 3,613 4,810 (D)	32 (D) -	28,796 21,406 18,205 80,696 (D)	15,463 8,360 13,547 46,151 (D)	1,143 1,783 829 4,042 (D)	204 F11 110 F70 8	2,861 r635 1,516 r1,483 (D)	8,720 3,902 6,762 r9,207 (D)
30 31 32 33 34	Rubber and plastics products, n.e.c. Leather and leather products. Stone, clay and glass products. Primary metal industries. Fabricated metal products.	24 56 229 15 175	- 1 140 3 98	1,160 5,997 5,300 664 2,611	3,072 10,959 16,159 2,274 8,656	1,054 5,470 4,008 563 2,021	2,395 8,854 10,467 1,517 5,402	- 3 (D) - 8	13,279 42,701 69,233 11,855 49,157	6,295 20,682 37,710 5,788 16,736	445 1,011 6,090 1,304 1,289	r ₁₄ r ₃₂ 171 14 118	r1,022 r2,620 4,131 426 2,007	r4,036 r6,673 19,251 1,908 10,287
35 36 37 38 39	Machinery, except electrical Electrical machinery Transportation equipment. Instruments and related products. Miscellaneous manufacturing,	33 73 7 14	5 - 1 -	952 5,572 325 1,857	3,348 16,734 (D) 5,272	808 4,950 291 1,720	2,458 13,643 (D) 4,524	-	10,906 90,290 (D) 21,971	7,640 50,866 (D) 12,070	576 3,109 (D) 525	26 49 3 15	703 3,049 (D) 1,148	4,155 21,837 (D) 3,932
	including ordnance	97	57	4 , 289	8,227	3,958	6,637	37	34,616	16,510	750	194	r3,964	*11,760
201	Food and kindred products Meat products	471 5	313	21,141	57,337 340	15,417	34,758 182	26 -	553,627	189 , 680	31,871 (D)	51 0	17,082 (D)	95,617 (D)
2013 2015	Meat processing plants Poultry dressing plants	1	-	(D)	(D)	(D)	(D)	-	(D)	(D)	(D)	1 1	(D)	(D)
202 2023 2024 2026	Dairies	27 4 1 10 12	8 4 - 4 -	1,849 (D) (D) 213 1,567	5,998 (D) (D) 792 5,049	618 (D) (D) 130 437	1,760 (D) (D) 421 1,241	-	53,225 (D) (D) 3,776 48,043	13,412 (D) (D) 2,160 10,540	1,373 (D) (D) 1,240	30 7 - 9 14	1,357 36 - 203 1,118	6,975 280 1,083 5,612
203 2031 2032 2033 2035 2037	Canned and frozen foods	43 4 1 28 8 2	16 (D) 10 (D) (D)	3,288 1,924 (D) 1,283 (D) (D)	7,998 5,161 (D) 2,728 (D) (D)	2,962 1,743 (D) 1,139 (D) (D)	6,490 4,410 (D) 1,975 (D) (D)		62,417 40,888 (D) 20,859 (D) (D)	19,969 13,576 (D) 6,148 (D) (D)	6,460 (D) (D)	38 1 - 25 8 4	1,339 (D) - 913 (D) 47	5,799 (D) 3,084 (D) 83
2041 2042 2041 204	Grain mills	8 - 5 3	-	580 (D) (D)	2,369 (D) (D)	404 (D) (D)	1,418 - (D) (D)	-	59,380 (D) (D)	8,224 (D) (D)	(D) (D)	5 2 3 -	(D) (D)	(D) (D) (D)
205 2051 2052	Bakery products Bread and related products Biscuit, crackers and cookies	223 212 11	198 191 7	2,483 1,950 533	5,277 3,926 1,350	2,102 1,660 442	4,077 3,139 938	(D)	25,547 18,384 7,163	10,866 7,616 3,250	430 302 128	270 263 7	2,483 2,157 326	7,288 5,251 2,037
2061 2062	SugarRaw cane sugar	30 26 4	10 10 -	7,580 6,966 614	19,638 18,184 1,454	6,130 5,580 550	13,563 12,354 1,209	-	195,824 150,971 44,853	56,234 50,125 6,109	12,650 12,029 621	35 31 4	7,568 7,108 460	37,439 33,604 3,835
207 2071 2072 2073	Candy and related products Confectionery products Chocolate and cocoa products Chewing gum	20 17 1 2	13 11 2	433 348 (D) (D)	846 644 (D) (D)	347 272 (D) (D)	543 385 (D) (D)	- - -	4,964 3,880 (D) (D)	2,517 2,005 (D) (D)	(D) - -	16 13 2 1	326 (D) (D) (D)	1,144 (D) (D) (D)
208 2082 2084 2085 2086 2087	Beverages	43 3 1 12 23 4	16 - 1 13 2	3,938 1,365 (D) 1,286 1,248 (D)	12,958 (D) (D) 4,024 (D) (D)	2,098 768 (D) 870 423 (D)	5,640 (D) (D) 2,332 (D) (D)	(D) - - (D)	121,404 (D) (D) 54,057 (D) (D)	71,846 (D) (D) 35,030 (D) (D)	8,858 (D) - 2,080 462 (D)	51 4 14 23 6	3,292 1,119 107 1,089 947	33,089 17,688 295 9,271 5,766 69
2094 2095 2096 2097 2098 2099	Miscellaneous foods and kindred products. Animal and marine fats and oils Roasted coffee	72 1 33 1 13 6 18	52 - 23 - 9 11 9	819 (D) 296 (D) 142 139 182	1,912 (D) 850 (D) 247 278 372	635 (D) 199 (D) 110 122 166	1,084 (D) 306 (D) 184 212 270	13 (D) - (D) 9	26,772 (D) 19,904 (D) 873 1,346 2,274	5,757 (D) 2,745 (D) 561 543 909	1,268 (D) (D) (D) (D) (D) 29	63 - 38 - 16 5	608 281 - 179 117 51	3,276 2,451 - 394 371 60

Table 2.--INDUSTRY GROUPS AND INDUSTRIES: 1963 AND 1958--Continued (See Appendix for explanation of column captions)

							.963						1958	
				All emp	oloyees		etion			Value			All em-	Value
Code	Industry group and industry	Estab- lish- ments	Pro- prietors and partners	Average for year	Sal- aries and wages	Average for year	Wages	Home worker wages	Value of shipments	added by manu- facture	Capital expend- itures	Estab- lish- ments	ployees, average for year	added by manu- facture
-		(number)	(number)	(number)	(\$1,000)	(number)	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(number)	(number)	(\$1,000)
21	Tobacco manufactures	84	49	6,833	11,444	6,627	10,481	-	62,457	26,818	137	142	4,509	10,119
2121 2131 2141	Cigars	47 6 31	35 5 (*)	2,201 49 (*)	4,814 35 (*)	2,167 44 (*)	4,487 26 (*)	-	31,986 252 (*)	14,851 55 (*)	(D) (D) (*)	98 7 37	1,582 44 2,883	5,707 30 4,382
22	Textile mill products	53	2	4,970	10,654	4,471	9,054	-	50,404	20,546	2,847	55	4,444	15,201
2211 2221 2231 2241	Weaving mills, cotton Weaving mills, synthetics Weaving, finishing mills, wool Narrow fabric mills	2 1 3	-	(D) (D)	(D) (D) (*)	(D) (D) (*)	(D) (D) (*)	-	(D) (D) (*)	(D) (D) (*)	(D) - (*)	1 1 - 1	(D) (D) (D)	(D) (D) (D)
225 2251 2252 2253 2254 2256 2259	Knitting mills Women's hosiery, except socks Hosiery, n.e.c Knit outerwear mills. Knit underwear mills. Knit fabric mills. Knitting mills n.e.c	28 1 3 18 2 2 2	- - - -	2,487 (D) 2,487 (D) (D) (D)	7,494 (D) (D) 5,423 (D) (D) (D)	3,116 (D) (D) 2,209 (D) (D) (D)	6,432 (D) (D) 4,683 (D) (D) (D)	- - - - - -	30,540 (D) (D) 18,732 (D) (D) (D)	12,383 (D) (D) 8,574 (D) (D) (D)	2,331 (D) 269 (D)	} 2 19 10 2	2,813 (D) 2,083 - 251 (D)	10,194 (D) 6,636 - 2,324 (D)
2261 2262	Textile finishing, except wool. Finishing plants, cotton Finishing plants, synthetic		1	44 (D) (D)	(D) (D)	41 (D) (D)	(D) (D)	- - -	167 (D) (D)	(D) (D)	(D)	5 5 -	121 121 -	347 347
227 2271 2272 2279	Floor covering mills		1 - 1	713 (D) (D) (D)	1,225 (D) (D) (D)	609 (D) (D) (D)	955 (D) (D) (D)	- - -	4,167 (D) (D) (D)	2,377 (D) (D) (D)	(D) (D)	6 5 - 1	(D) (D)	(D) (D)
228 2281 2282 2283 2284	Yarn and thread mills	8 1 4 2 1	-	426 (D) (*) (D) (D)	1,014 (D) (*) (D) (D)	391 (D) (*) (D) (D)	830 (D) (*) (D) (D)	-	9,220 (D) (*) (D) (D)	3,243 (D) (*) (D) (D)	300 - (*) (D) (D)	7 4 - 2 1	382 (D) (D) (D)	1,652 (D) (D) (D)
2294	Processed textile waste	2	1	(D)	(D)	(D)	(D)	-	(D)	(D)	-	1	(D)	(D)
23	Apparel and related products.	386	118	26,678	50,670	24,882	44,287	1,183	179,220	90,722	3,188	347	17,998	44,206
2311	Men's and boys' suits and coats	5	5	(D)	(D)	(D)	(D)	-	(D)	(D)	(D)	4	358	758
232 2321 2322 2525 2527 2328 2328	Men's and boys' furnishings Men's dress shirts and nightwear. Men's and boys' underwear Men's and boys' neckwear Separate trousers Work clothing. Men's and boys' clothing, n.e.c.	78 27 10 2 26 11 2	26 9 1 1 15 -	5,174 1,672 1,166 (D) 1,157 1,088 (D)	9,075 2,942 2,102 (D) (D) 2,146 (D)	4,883 1,525 1,133 (D) 1,093 1,044 (D)	7,899 2,+55 1,946 (D) (D) 1,932 (D)	(D) (D)	42,032 11,272 12,239 (D) (D) 11,204 (D)	17,861 5,151 4,758 (D) (D) 4,672 (D)	605 (D) 193 - 151 107 (D)	69 21 6 2 28 10 2	3,208 1,208 597 (D) 922 345 (D)	7,150 2,469 1,513 (D) 1,878 878 (D)
233 2331 2335 2337 2339	Women's and misses' outerwear. Blouses. Dresses. Women's suits, coats and skirts. Women's outerwear, n.e.c.	55 14 20 6 15	25 10 10 1 2	3,017 549 594 240 1,634	5,478 766 998 363 3,351	2,688 515 546 223 1,404	4,719 678 878 314 2,850	130 (D) (D)	21,618 1,960 3,128 1,403 15,127	10,668 1,253 1,945 633 6,837	612 (D) (D)	67 25 17 11 14	2,375 992 198 224 961	5,418 2,213 399 600 2,206
234 2341 2342	Women's and children's underwear Women's and children's underwear. Corsets and allied garments	111 43 68	11 11 -	12,854 5,833 9,021	26,728 6,582 20,147	12,001 3,602 8,399	23,450 5,880 17,570	165 165 -	82,052 27,119 54,934	44,819 14,224 30,595	1,491 316 1,175	69 30 39	6,465 1,552 4,913	19,684 4,227 15,457
235 2351 2352	Millinery, hats, and caps Millinery. Hats and caps.	6 3 3	2 - 2	(D) (D)	(D) (D)	(D) (D)	(D) (D) (D)	(D) (D)	(D) (D) (D)	(D) (D)	(D) (D)	5 1 4	(D)	427 (D) (D)
236 2361 2363 2369	Children's outerwear	24 20 - 4	13 12 - 1	996 682 - 314	1,710 (D) - (D)	933 656 - 277	1,489 (D) - (D)	141 141 - -	4,801 (D) (D)	2,938 (D) - (D)	23 (D) (D)	38 33 1 4	1,654 1,140 (D) (D)	3,571 2,340 (D) (D)
	Miscellaneous apparel Fabric dress and work gloves Robes and dressing gowns Waterproof outergarments Apparel belts Apparel, n.e.c.	2 2 3	18 1 - 1 16	2,206 1,192 (D) (D) 30 594	3,455 2,159 (D) (D) 71 303	2,087 1,128 (D) (D) 26 573	2,982 1,901 (D) (D) 48 256	566 530 - - - - 35	13,984 9,104 (D) (D) 306 631	6,919 4,814 (D) (D) 120 484	86 23 (D) (D) 7 3	62 24 - - 3 35	2,665 972 - (D) (D)	4,395 2,832 (D) (D)

Table 2.--INDUSTRY GROUPS AND INDUSTRIES: 1963 AND 1950--Continued

(See Appendix for explanation of column captions,

							1963						1958	
				A13 en	ployees	Produ	etion						-//-	
Code	Industry group and industry	Estab- lish- ments	Pro- prietors and partners	Average for year	Sal- aries and wages	Average for year	Wages	Home worker wages	Value of shipments	Value acced by manu- facture	Capital expend- itures	Estab- lish- ments	All employees, average for year	Value audeu by manu- facture
		(number)	(number)	(number)		(number)	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(number)	(number)	(\$1,000)
23	Apparel and related productsContinued													
239 2391 2392 2393 2394 2395 2396 2397 2399	Fabricated textiles, n.e.c Curtains and draperies. Housefurnishings, n.e.c. Textile bags	63 7 18 2 5 17 7 3	20 3 10 - 1 5 - 1	1,886 82 349 (D) 41 880 385 (D) 74	3,193 207 434 (D) 75 1,343 870 (D)	1,773 80 523 (p) 32 852 852 345 (p)	2,859 195 372 (D) 49 1,270 749 (D)	118 (D) (D) - - 69	11,388 652 2,533 (D) 340 2,415 3,822 (D) 294	5,448 340 1,068 (D) 184 1,941 1,495 (D)	279 (D) 52 (D) - 92 43	33 - 9 - 6 8 6	1,118 - 173 - 23 430 319 - 173	2,805 - 631 - 58 746 1,026
24	Lumber and wood products	75	58	607	1,414	560	1,158	1	5,674	2,462	80	49	466	1,230
242 2421 2426	Sawmills and planing mills Sawmills and planing mills Hardwood dimension and flooring	2 - 2	1 - 1	(D) (D)	(D) (D)	(D) (D)	(D) (D)	- -	(D)	(D)	=	1 1 -	(D) -	(D) (D)
243 2431 2432	Millwork and related products ¹ . Millwork plants Veneer and plywood plants	65 64 1	52 52 -	560 (D) (D)	1,326 (D) (D)	514 (D) (D)	1,073 (D) (D)	1 1 -	5,278 (D) (D)	2,263 (D) (D)	(D) (D)	39 39 -	407 407	986 986 -
2441	Nailed wooden boxes and shook	1		(D)	(D)	(D)	(D)	-	(D)	(D)	(D)	-	-	-
2491 2491 2499	Miscellaneous wood products Wood preserving Wood products, n.e.c	7 1 6	5 - 5	(D) (D)	(D) (D)	(D) (D)	(D) (D) (D)	- - -	(D) (D) (D)	(D) (D)	-	9 1 8	(D) (D) (D)	(D)
25	Furniture and fixtures	205	137	3,691	8,240	3,138	6,081	32	28,796	15,463	1,143	204	2,861	8,720
251 2512 2512 2514 2515 2519	Household furniture Wood furniture not upholstered Wood furniture, upholstered Metal household furniture Mattresses and bedsprings Household furniture, n.e.c	189 128 21 14 16	127 98 11 3 7 8	3,568 1,938 412 483 536 199	7,932 3,891 802 1,372 1,446 421	3,027 1,613 372 403 457 182	5,822 2,888 687 932 966 350	(D) (D) (D) (D)	27,884 12,447 2,720 4,059 7,295 1,364	15,011 7,383 1,618 2,197 3,087 727	1,122 631 (D) (D) 185 (D)	192 145 12 13 19 5	2,774 1,715 236 178 544 101	8,499 4,694 726 651 2,271 157
2521 2531	Wood office furniture Public building furniture	5 3	1 ₄ 2	18 (D)	(D)	18 (D)	44 (D)	(D)	160 (D)	105 (D)	-	2 5	(D) 44	(D) 122
254 2541 2542	Partitions and fixtures Wood partitions and fixtures Metal partitions and fixtures	6 4 2	(D) (D)	57 (D) (D)	156 (D) (D)	47 (D) (D)	109 (D) (D)		385 (D) (D)	161 (D) (D)	(D) (D)	3 3 -	(D)	(D) (D)
259 2591 2599	Furniture and fixtures, n.e.c Venetian blinds and shades Furniture and fixtures, n.e.c	2 - 2	- - -	(D) (D)	(D)	(D)	(D)	·(D)	(D)	(D) (D)	(D)	2 1 1	(D) (D) (D)	(D) (D) (D)
26	Paper and allied products	27	1	1,286	4,587	1,019	3,138	-	21,406	8,360	1,783	rll	r635	3,902
2631 2661	Paperboard mills Building paper and board mills	2	-	(D)	(D)	(D) (D)	(D)	-	(D) (D)	(D)	(D)	1	(D)	(D)
264 2642 2643 2643 2645 2647 2649	Paper and paperboard products. Paper coating and glazing. Envelopes. Bags, except textile bags. Die cut paper and board. Sanitary paper products. Converted paper products, n.e.c.	12 1 1 5 2 2		328 (D) (D) 167 (D) (D)	(D) (D) (D) 492 (D) (D) (D)	290 (D) (D) 143 (D) (D) (D)	(D) (D) (D) 350 (D) (D) (D)	1	(D) (D) (D) 3,585 (D) (D) (D)	(D) (D) (D) 1,441 (D) (D)	(D) (D) (D) (D) (D)	r5 r1 1 2	(D) (D) (D) (D) (D)	(D) (D) (D) (D) (D)
265 2651 2652 2653 2654	Paperboard containers and boxes Folding paperboard boxes Set-up paperboard boxes Corrugated shipping containers Sanitary food containers	12 3 2 6 1	1 -	609 90 (D) 483 (D)	2,327 (D) (D) 1,936 (D)	457. 78 (D) 346 (D)	1,5%2 (D) (D) 1,271 (D)	-	10,229 (D) (D) 9,045 (D)	4,145 (D) (D) 3,436 (D)	524 (D) - (D)	5 2 1 2	352 (D) (D) (D)	1,695 (D) (D) (D)
27	Printing and publishing	133	88	1,985	6 , 543	1,132	3,613	(D)	18,205	13,547	829	110	1,516	c,762
2711 2721 2731 2741	Newspapers Periodicals Books, publishing and printing Miscellaneous publishing	4 1 2 1	1	928 (D) (D) (D)	3,840 (D) (D) (D)	325 (D) (D) (D)	1,429 (D) (D) (D)	-	11,304 (D) (D) (D)	8,752 (D) (D) (D)	760 (P)	3 1 1	651 (D) (D)	(D) (I')

Table 2.--INDUSTRY GROUPS AND INDUSTRIES: 1963 AND 1958--Continued

(See Appendix for explanation of column captions)

				**************************************			1963						1958	
				411 em	ployees		etion							
Code	Industry group and industry	Estab- lish- ments	Pro- prietors and partners	Average for year	Sal- aries and wages	Average for year	wages	Home worker wages	Value of shipments	Value added by manu- facture	Capital expend- itures	Estab- lish- ments	All employees, average for year	Value added by manu- facture
		(number)	(number)	(number)	(\$1,000)	(number)	(\$1,000)	(\$1,000	(\$1,000)	(\$1,000)	(\$1,000)	(number)	(number)	(\$1,000)
27	Printing and publishing Continued													
275 2751 2752 2753	Commercial printing	112 89 22 1	81 70 10	797 580 (D) (D)	2,171 1,489 (D) (D)	669 501 (D) (D)	1,738 1,201 (D) (D)	(D) (D)	5,350 3,406 (D) (D)	3,572 2,223 (D) (D)	65 11 54	96 87 8 1	796 (²) (D) (D)	3,057 (²) (D) (D)
2761 2771 2789	Manifold business forms Greeting card manufacturing Bookbinding and related work	2 2 3	1 3	(D) (D) 3	(D) (D) 4	(D) (D) 3	(D) (D) 4	-	(D) (D) 15	(D) (D) 10	-	2 1 2	(D) (D) (D)	(D) (D)
279 2791 2793	Printing trades services Typesetting Photoengraving	6 1 5	1	92 (D) (D)	332 (D) (D)	81 (D) (D)	268 (D) (D)		828 (D) (D)	670 (D) (D)	(D)	4 1 3	41 (D) (D)	148 (D) (D)
28	Chemicals and allied products	80	11	2,337	8,172	1,658	4,810	-	80,696	46,151	4,042	17 0	r1,483	r9,207
281 2813	Basic chemicals	8 4	-	537 34	(D) 145	348 28	(D) 130	-	(D) 508	(D) 267	(D) 7	6 5	152 (D)	635 (D)
2815 2818 2819	Intermediate coal tar products Organic chemicals, n.e.c Inorganic chemicals, n.e.c	1 2	-	(D) (D)	(D) (D) (D)	(D) (D) (D)	(D) (D) (D)	-	(D) (D) (D)	(D) (D) (D)	(D) (D)	1	(D)	(D)
2824	Organic fibers, noncellulosic	-	-	-	-	-	-	-	-	-	-	1	(D)	(D)
283 2833 2834	Drugs	25 1 24	3 - 3	666 (D) (D)	2,058 (D) (D)	484 (D) (D)	1,332 (D) (D)	=	27,636 (D) (D)	20,189 (D) (D)	475 (D) (D)	21 2 19	364 (D) (D)	2,677 (D) (D)
284 2841 2842 2844	Cleaning and toilet goods Soap and other detergents Polishes and sanitation goods Toilet preparations	18 3 2 13	1 - - 1	336 (D) (D) 219	800 (D) (D) 552	217 (D) (D) 131	446 (D) (D) 278	-	6,043 (D) (D) 4,614	2,709 (D) (D) 2,065	160 (D) - (D)	18 2 4 12	141 (D) (D) 103	696 (D) (D) 526
2851	Paints and allied products	6	-	124	410	80	215	-	3,188	1,112	(D)	3	(D)	(D)
287 2871 2872 2879	Agricultural chemicals Fertilizers, mixing only Agricultural chemicals, n.e.c	9 7 2	. [455 (D) (D)	1,521 - (D) (D)	332 (D) (D)	(D)	-	16,762 - (D) (D)	5,116 - (D) (D)	(D) - (D)	10 1 7 2	670 (D) (D) (D)	4,694 (D) (D) (D)
2891 2891 2 8 99	Miscellaneous chemical products Glue and gelatin Chemical preparations, n.e.c	14 2 12	7 - 7	221 (D) (D)	(D) (D) (D)	197 (D) (D)	(D) (D) (D)		(D) (D) (D)	(D) (D)	(D) (D) (D)	11	90 - 90	127 127
29	Petroleum and coal products	9	-	1,362	(D)	1,103	(D)		(D)	(D)	(D)	8	(D)	(D)
2911	Petroleum refining	2	-	(D)	(D)	(D)	(D)	-	(D)	(D)	(D)	2	(D)	(D)
295 2951 2952	Paving and roofing materials Paving mixtures and blocks Asphalt felts and coatings	7 5 2	=	(D) (D) (D)	(D) (D)	(D) (D) (D)	(D) (D) (D)	-	(D) (D) (D)	(D) (D) (D)	346 346 -	6 5 1	100 (D) (D)	760 (D) (D)
30	Rubber and plastics products, n.e.c	24	-	1,160	3,072	1,054	2,395	-	13,279	6,293	445	r ₁₄	F1,022	r4,036
3021 3069 3079	Rubber footwear	3 3 18	=	626 55 479	1,564 214 1,295	593 45 416	1,284 126 984	-	5,689 670 6,920	2,702 354 3,237	311 (D) (D)	2 3 r9	(D) (D) F737	(D) (D) r2,563
31	Leather and leather products.	56	1	5,997	10,959	5,470	8,854	3	42,701	20,682	1,011	r32	r2,620	r6,673
3111 3131	Leather tanning and finishing Footwear cut stock	7 4	-	(D) 409	(D) 662	(D) 398	(D) 594	-	(D) 2 , 365	(D) 880	(D) 13	4 1	(D)	(D) (D)
314 3141 3142	Shoes, except rubber Footwear, except rubber House slippers	20 19 1	-	2,868 (D) (D)	5,816 (D) (D)	2,500 (D) (D)	4,324 (D) (D)		19,276 (D) (D)	10,537 (D) (D)	713 713	12 8 4	1,543 1,417 126	4,211 3,794 417
3151 3161	Leather gloves	5 5	- 1	433 277	761 413	392 256	631 366	(D)	1,745 2,026	879 1 , 056	55 (D)	1 3	(D) 21	(D)
317 3171 3172	Purses and small leather goods. Handbags and purses Small leather goods	14 4 10	- - -	1,409 561 848	2,268 (D) (D)	1,347 534 813	2,068 (D) (D)	(D)	9,712 (D) (D)	3,824 (D) (D)	73 (D) (D)	r ₁₀ 2 r ₈	(D)	^r 1,365 (D) (D)
	Leather goods, n.e.cee footnotes at end of table.	1	-	(D)	(D)	(D)	(D)	-	(D)	(D)	-	1	(D)	(⊅)

Table 2.--INDUSTRY GROUPS AND INDUSTRIES: 1963 AND 1958--Continued

(See Appendix for explanation of column captions)

-		1963									1958			
	Industry group and industry			All employees		Production workers				Value			All em-	Value
Code		Industry group and industry lish	Estab- lish- ments	Pro- prietors and partners	Average for year	Sal- aries and wages	Average for year	Wages		Value of shipments	added by manu- facture	Capital expend- itures	Estab- lish- ments	ployees, average for year
		(number)	(number)	(number)		(number)	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(number)	(number)	(\$1,000)
32	Stone, clay and glass products	229	140	5,300	16,159	4,008	10,467	(D)	69,233	37,710	6,090	171	4,131	19,251
3221 3231 3241	Glass containers Products of purchased glass Cement, hydraulic	1 10 2	- 8 -	(D) 63 (D)	(D) 152 (D)	(D) 56 (D)	(D) 140 (D)	=	(D) 804 (D)	(D) 379 (D)	(D)	1 5 2	(D) 24 (D)	(D) 85 (D)
3251 3253 3253 3259	Structural clay products Brick and structural tile Ceramic wall and floor tile Structural clay products, n.e.c	2 1 1	1 1 -	(D) (D) (D)	(D) (D) (D)	(D) (D) (D)	(D) (D) (D)	-	(D) (D) (D)	(D) (D) (D)	:	3 - 1 2	156 (D) (D)	(D) (D) (D)
326 3262 3264 3269	Pottery and related products Vitreous china food utensils Porcelain electrical supplies Pottery products, n.e.c	4 1 - 3	1 - - 1	362 (D) (D)	(D) (D)	326 (D) (D)	(D) (D) (D)	-	(D) (D) - (D)	(D) (D)	(D) (D)	1 1 2	393 (D) (D) (D)	1,044 (D) (D) (D)
327 3271 3272 3273 3274 3275	Concrete and plaster products Concrete block and brick Concrete products Ready-mixed concrete Lime Gypsum products	198 115 60 16 6	126 85 30 7 (D) (D)	3,027 789 1,345 776 (D) (D)	7,207 1,425 3,118 2,459 (D)	2,350 714 1,190 391 (D) (D)	4,839 1,190 2,429 1,108 (D)	(D) - (D) - -	34,446 6,060 10,395 17,742 (D)	16,882 3,023 6,664 6,995 (D)	4,030 (D) 732 1,133 (D)	148 93 37 9 7 2	2,003 512 1,021 338 (D) (D)	7,060 1,336 3,169 2,362 (D) (D)
3281	Cut stone and stone products	2	1	(D)	(D)	(D)	(D)	-	(D)	(D)	(D)	4	(D)	(D)
329 3291 3292 3295 3296 3299	Nonmetallic minerals products. Abrasive products. Asbestos products. Minerals, ground or treated. Mineral wool. Nonmetallic minerals, n.e.c.	10 2 2 4 1 1	3 1 1 -	228 (D) (D) 59 (D) (D)	707 (D) (D) 185 (D) (D)	179 (D) (D) 47 (D) (D)	499 (D) (D) 142 (D) (D)	-	3,039 (D) (D) 1,309 (D) (D)	1,920 (D) (D) 797 (D) (D)	(D) (D) (D)	1 1 1 -	(D) (D) (D) (D)	(D) (D) (D) (D)
3 3	Primary metal industries	15	3	664	2,274	563	1,517	-	11,855	5,788	1,304	14	426	1,908
331 3312 3315	Steel rolling and finishing Blast furnaces and steel mills Steel wire drawing, etc	2 1 1	-	(D) (D)	(D) (D) (D)	(D) (D) (D)	(D) (D)	-	(D) (D) (D)	(D) (D) (D)	(D) (D) (D)	3 2 1	242 (D) (D)	(D) (D) (D)
332 3321 3322	Iron and steel foundries Gray iron foundries Malleable iron foundries	2 2 -	-	(D) (D)	(D) (D)	(D) (D)	(D) (D)		(D) (D)	(D)	(D)	1 - 1	(D)	(D) (D)
3341	Secondary nonferrous metals	-	-	-	-	-	-	-	-	-	-	1	(D)	(D)
335 3352 3357	Nonferrous rolling and drawing Aluminum rolling and drawing Nonferrous wire drawing, etc	4 2 2	-	217 (D) (D)	308 (D) (D)	173 (D) (D)	481 (D) (D)	-	5,812 (D) (D)	2,160 (D) (D)	1,055 (D) (D)	2 2	112 (D) (D)	665 (D) (D)
336 3361 3369	Nonferrous foundries	7 5 2	3 3 -	140 (D) (D)	410 (D) (D)	123 (D) (D)	278 (D) (D)	-	2,288 (D) (D)	1,781 (D) (D)	(D) (D)	5 4 1	19 (D) (D)	58 (D) (D)
34	Fabricated metal products	175	98	2,611	8,656	2,021	5,402	8	49,157	16,736	1,289	118	2,007	10,287
3411	Metal cans	4	-	280	(D)	243	(D)	-	(D)	(D)	(D)	1	(D)	(D)
342 3421	Cutlery, hand tools, hardware	5	-	79	(D)	70	(D)	-	(D)	(D)	(D)	5 2	149 (D)	683 (D)
3423 3425 3429	Hand and edge tools	1 - 4	-	(D) (D)	(D) (D)	(D) - (D)	(D) (D)		(D) (D)	(D) (D)	(D)	1 2	(D)	(D) (D)
3433	Heating equipment except electric			-	-	-	- -	-	-	-	-	2	(D)	(D)
344 3441 3442 3443 3444 3446 3449	Structural metal products. Fabricated structural steel. Metal doors, sash, and trim. Boiler shop products. Sheet metal work. Arcnitectural metal work. Miscellaneous metal work.	138 5 36 3 21 57 16	97 1 19 2 10 51 14	1,792 402 699 53 288 291	5,666 (D) 2,100 (D) 958 580 138	1,329 231 514 51 187 289 57	3,182 (D) 1,210 (D) 486 575 150	8 - 6 - 2	29,274 (D) 13,014 (D) 3,138 1,668 828	9,485 (D) 5,255 (D) 1,315 981 410	363 61 202 (D) (D) (D)	80 2 29 1 11 37	1,238 (D) 484 (D) (D) 173	6,150 (D) 3,173 (D) (D) 473
345 3451 3452		2 1 1		(D) (D) (D)	(D) (D) (D)	(D) (D) (D)	(D) (D)	- - -	(D) (D)	(D) (D) (D)	(D) (D) (D)	4 2 2	48 (D) (D)	196 (D) (D)

Table 2.--INDUSTRY GROUPS AND INDUSTRIES: 1965 AND 1958--Continued

(See Appendix for explanation of column captions)

		1963									1958			
				A73.5	mlouces	Production							1930	
Code	Industry group and industry	Estab- lish- ments	Pro- prietors and partners	Average for year	Sal- aries and wages	Average for year	Wages	Home worker wages	Value of shipments	Value added by manu- facture	Capital expend- itures	Estab- lish- ments	All employees, average for year	Value added by manu- facture
-		(number	(number)	(number)	(\$1,000)	(number)	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(number)	(number)	(\$1,000)
34	Fabricated metal products Continued													
3461	Metal stampings		-	99	286	78	227	-	1,801	704	(D)	1	(D)	(D)
347 3471 3479	Metal services, n.e.c		- - -	76 (D) (D)	198 (D) (D)	67 (D) (D)	157 (D) (D)	-	606 (D) (D)	372 (D) (D)	(D) (D)	4 3 1	46 (D) (D)	91 (D) (D)
3481	Fabricated wire products, n.e.c	11	-	169	469	138	374	-	3,437	1,363	(D)	12	226	1,348
349	Fabricated metal products,	4	1	(D)	(D)	(D)	(D)	_	(D)	(D)	-	9	166	673
3491 3493	Metal barrels, drums and pails Steel springs	.1	-	(D)	(D) -	(D)	(D)	-	(D)	(D)	_	3	(D)	(D) (D)
3494 3496 3499	Valves and pipe fittings Collapsible tubes Fabricated metal products, n.e.c.	1 2	- - 1	(D) (D)	(D)	(D) (D)	(D) (D)	-	(D)	(D) (D)	-	5	(D) - 93	378
35	Machinery, except electrical.	33	5	·952	3,348	808	2,458	-	10,906	7,640	576	26	703	4,153
3519 3522	Internal combustion engines Farm machinery and equipment	1 1	1	(D)	(D)	(D)	(D)	-	(D)	(D)	(D)	-	-	Ξ
354 3541	Metalworking machinery Metal-cutting machine tools	9 1	-	185 (D)	625 (D)	165 (D) (D)	500 (D)	-	2,727 (D)	1,746 (D)	138	5 1	(D)	551 (D)
3542 3544	Metal-forming machine tools Special dies and tools	1 3	-	(D) 42	(D)	38	(D)	-	(D)	(D)	(D)	2	(D)	(D)
3545 3548	Machine tool accessories Metalworking machinery, n.e.c	3 1	-	75 (D)	(D)	67 (D)	(D)	_	(D)	(D)	(D)	1	(D)	(D)
355 3551	Special industry machinery Food products machinery	8 5		482 405	1,874	396 334	1,277	-	5,332 3,438	3,992 2,707	(D)	5	367 (D)	2,318 (D)
3553 3554	Woodworking machinery Paper industries machinery	1 -	-	(D)	(D)	334 (D)	(D)	_	(D)	(D)	_	1	(D)	(D) (D)
3555	Printing trades machinery	2	*	(D)	(D)	(D)	(D)	-	(D)	(D)	(D)	2	(D)	(D)
356 3561 3562	General industrial machinery Pumps and compressors	3 - 2	-	49 (D)	(D) - (D)	(D)	(D) - (D)	-	(D) (D)	(D) - (D)	(D) (D)	1	(D)	(D) (D)
3566	Ball and roller bearings Power transmission equipment	1	-	(D)	(D)	(D)	(D)	-	(D)	(D)	-	=	-	-
358 3585 3589	Service industry machines Refrigeration machinery Service industry machines, n.e.c.	2 2	-	(D)	(D) (D)	(D) (D)	(D) (D)	- - 7	(D)	(D) (D)	(D) (D)	2 1 1	(D) (D) (D)	(D) (D)
3599	Miscellaneous machinery	9	4	169	518	141	414	-	1,450	956	(D)	12	177	812
36	Electrical machinery		-	5,572	16,734	4,950	13,643	-	90,290	50,866	3,109	49	3,049	21,837
361 3611	Electric distribution products. Electric measuring instruments	12 5	2	1,501 (D)	4,731 (D)	1,360 (D) (D)	3,756 (D) (D)	_	22,119 (D) (D)	14,046 (D) (D)	378 (D)	8 2	616 (D)	3,092 (D)
3612 3613	Transformers Switchgear and switchboards	1 6	-	(D) 1,259	(D) 4,067	1,152	3,258	-	19,861	12,770	(D)	6	(D)	(D)
362 3621	Electric industrial apparatus Motors and generators	6 2	-	212 (D)	467 (D)	188 (D)	389 (D)	_	2,853 (D)	1,620 (D)	(D) (D)	2 1	(D)	(D)
3622 3623	Industrial controls	2	-	(D)	(D)	(D)	(D)	-	(D)	(D)	-	ī	(D)	(D)
3629 363	Electric industrial goods, n.e.c. Household appliances	2	-	(D) 1,420	(D) 4,396	(D) 1,351	(D) 3,975	_	(D) 29,927	(D) 12,236	(D)	6	975	10,496
5631 3632	Household cooking equipment Household refrigerators	2	-	(D)	(D)	(D)	(D)	-	(D)	(D)	(D)	-	-	_
3634 3639	Electric housewares and fans Household appliances, n.e.c		-	1,331 22	4,121 (D)	1,282 21	3,812 (D)	_	28,695 (D)	11,708 (D)	(D)	5 1	(D)	(D)
364	Lighting and wiring devices			581	1,718	51 8	1,348	-	10,163	6,428	322	5 3	190 (D)	2,315 (D)
3641 3642 3643	Electric lamps. Lighting fixtures. Current carrying devices	4	=	38 543	(D)	35 483	(D)	1	(D)	(D)	(D)	2	(D)	(D)
365	Radio and TV receiving equipment.		-	70 (D)	161 (D)	63 (D)	143 (D)		655 (D)	457 (D)	(D)	4 2	111 (D)	581 (D)
3651 3652	Radio and TV receiving sets Phonograph records	3	2	(D)	(D)	(D)	(D)	-	(D)	(D)	(D)	2	(D)	(D)
36 6 3661 3662	Telephone; telegraph apparatus	2	=	527 (D) (D)	1,396 (D) (D)	363 (D) (D)	899 (D) (D)	-	8,214 (D) (D)	5,558 (D) (D)	(D)	3 1 2	(D) (D) (D)	(D)

Table 2.--INDUSTRY GROUPS AND INDUSTRIES: 1905 AND 1955--Continued

(See A readiv for explanation of column ca. tions)

-		1963										135c			
	Industry group and industry			All en	ployees	Production									
Code		Estab- lish- ments	Pro- prietors and partners	Average for year	Sal- aries and	Average for year	ers Wages	Home worker wages	Value of shipments	Value added by manu- facture	Capital expend- itures	Estab- lish- ments	All em- ployees, average for year	Value added by manu- facture	
		(number)	(number)	(number)	wages \$1,000)	(number)	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(number)	(number)	(\$1,000)	
36	Electrical machinery Continued														
3671 3671 3674 3679	Electronic components Electron tubes, receiving type Cathode ray picture tubes Semiconductors Electronic components, n.e.c	22 1 1 1 19	-	1,117 (D) (D) (D) 1,060	3,444 (D) (D) (D) 3,209	979 (D) (D) (D) 926	2,843 (D) (D) (D) 2,651	-	14,285 (D) (D) (D) 13,369	9,428 (D) (D) (D) 8,725	592 (D) (D)	14 - 1	751 (D) (D)	2,894 (D) (D)	
369 3692 3694 3699	Electrical products, n.e.c Storage batteries. Primary batteries, dry and wet Engine electrical equipment Electrical products, n.e.c	5 1 1 2 1	-	144 (D) (D) (D) (D)	421 (D) (D) (D) (D)	128 (D) (D) (D) (D)	291 (D) (D) (D) (D)	- - - -	2,073 (D) (D) (D) (D)	1,094 (D) (D) (D) (D)	(D) (D)	7 4 - 2 1	(D) (D) (D)	1,220 (D) - (L) (D)	
37 3713	Transportation equipment Truck and bus bodies	7 2	1	325 (D)	(D)	291 (D)	(D) (D)	-	(D) (D)	(D)	(D)	3	(D) (D)	(D)	
3729 373 3731 3732	Aircraft equipment, n.e.c Ship and boat building Ship building and repairing Boat building and repairing	1 4 2 2		(D) 265 (D) (D)	(D) (D) (D)	(D) 240 (D) (D)	(D) (D) (D)	-	(D) (L) (D) (D)	(D) (D) (D) (D)	(D) (D) (D) (D)	1 - 1	(D)	(D)	
3799	Transportation equipment, n.s.c	-	-	-	-	-	-	-	-	-	-	1	(D)	(D)	
38	Instruments and related products	14	-	1,857	5,272	1,720	4,524	-	21,971	12,070	525	15	1,148	3,952	
3811 3821 3831	Scientific instruments Mechanical measuring devices Optical instruments and lenses	2 4 1	-	(D) 194 (D)	(D) (D) (D)	(D) 180 (D)	(D) (D)	-	(D) (D) (D)	(D) (D) (D)	(D)	3 2 -	43 (D)	(D) (D)	
3841 3841 3842 3843	Medical instruments and supplied Surgical and medical instruments. Surgical appliances and supplies. Dental equipment and supplies	4 2 1	-	(D) (D) (D)	(D) (D) (D)	(D) (D) (D) (D)	(D) (D) (D)	-	(D) (D) (D) (D)	(D) (D) (D) (D)	(D) (D) (D)	6 1 3 2	193 (D) 135 (D)	690 (D) (D) (D)	
3851 3861 3871	Ophthalmic goods	1 1 1	-	(D) (D) (E)	(D) (D)	(D) (D) (D)	(D) (D) (D)	-	(D) (D) (D)	(D) (D) (D)	(D) (D) (D)	3 1 -	734 (D)	(D) (D)	
39	Miscellaneous manufacturing, including ordnance	97	57	4,289	8,227	3,958	6,637	37	34 , 616	16,510	750	ry	F3,,64	r11,760	
391 3912 3913	Jewelry and silverware Jewelry, precious metal Jewelers' findings and materials. Lapicary work	18 5 - 10	1 1 1	(D) 72 - 3+7	(D) 204 - 922	(D) 46 - 314	(D) 119	(D) - (D)	(D) 757 - 7,862	(E) 437 - 3,115	(D)	11 2 7	352 (D) (D) 267	(D) (D) (D) 1,25	
3914 394	Silverware and plated ware Toys and sporting goods	3 19	-	(D) 1,940	(D) 3,208	(D) 1,857	776 (D) 2,915	-	(D)	(D) 5,434	(D) 272	1 17	(D) 1,411	(D) 3,905	
3941 3942 3949	Games and toys Dolls Sporting and athletic goods	2 2 15	- - -	(D) (D) 1,568	(D) (D) 2,575	(D) (L) 1,450	(D) (D) 2,333	-	(E) (D) 8,972	(D) (D) 3,769	(D) (D) 235	6 10	(D)	(D) (D) 2,624	
395 3951	Pens, pencils and office supplies Pens and mechanical pencils	1	-	(I)	(D)	(D)	(D)	-	(D)	. (D)	-	3 2	431 (D)	(L) (I)	
3 953	Marking devices	1 22	- 45	(D) 971	(D) 1,550	(D) 908	(I) 1,406	(D)	(D) 7,298	(L) 3,607	150	1 730	r _{1,309}	2) 73,201	
3961 3962 37/3 3964	Costume jewelry. Arcificial flowers. Buttons. Needles, pins, and fasteners	9 5 2 6	43 - -	513 (D) (D) 236	995 (D) (D) 402	432 (D) (L) 224	676 (D) (D) 354	(D) - -	3,026 (D) (D) 2,226	1,935 (E) (D) 896	(D) (D) - (D)	r15 6 3 6	148 145	r1,500 774 255 452	
598 399 3981 3984 3988 3995 3995	Miscellaneous manufactures, including ordnance	37 10 3 6 9 2	14 3 - 5 5	814 263 (D) 45 49	1,669 466 (D) 88 122 (D)	719 250 (I) 42 42 (D)	1,134 380 (D) 78 97 (D)	23 (D)	6,123 1,9,5 (D) 337 267 (D)	3,072 1,094 (D) 112 136 (D)	257 (D) (D) (D) (D)	35 7 - 9 10 3	461 148 - 36 36 35	1,239 298 112 201 (F)	
3999	Miscellaneous products, n.e.c., including ordnance and accessories ³	7	1	392	910	344	51 6	(D)	3,144	1,523	(D)	4	206	(E)	

Note: Detail may not add to totals because of independent rounding.

⁽D) Withheld to avoid disclosing figures for individual companies. n.e.c. Not elsewhere classified. Revised. - Represents zero.
*Industry totals have been withheld to permit additional checking of figures. However, data for the industry are included in industry group, mad all manufacturing totals.

In 195, over 99 percent of the value added for millwork and related products was accounted for by establishments classified in Industry 2431, Millwork Plants.

 $^{^2\}mathrm{Figures}$ for 1956 not comparable with 1963 at the 4-digit level. $^3\mathrm{Includes}$ 2 establishments classifled in Industry 1951, Small Arms, 30 mm and Under

EXPLANATION OF TERMS

All employees. -- Comprises all production and related workers and all nonproduction personnel. The 1963 data for all employees represent an average of reported employment for the pay periods ending nearest to the 15th day of March, May, August, and November. All persons on paid sick leave, paid holidays, and paid vacations during these pay periods are included. Members of the armed forces, pensioners carried on the active rolls, and homeworkers are excluded.

Production workers.--Employees (through working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial, watchman services, product development, auxiliary production for plant's own use (for example, power plant), record keeping, and other services closely associated with production operations. Supervisory employees above working foreman level are excluded from this category. Establishments having fewer than 10 employees were requested to report employment without differentiating between production workers and other employees. However, employment data for these small establishments are included in the tabulated totals for production workers since the number of employees not production workers is very small.

<u>Proprietors</u> and partners.--Owners or partowners of unincorporated manufacturing establishments (for example, individual proprietorships and partnerships) actually engaged in plant operations, either as production or nonproduction personnel. Individual proprietors and working partners are not considered to be employees of the establishment.

Salaries and wages.--Gross earnings paid in calendar year 1963 to all employees on the payroll includes salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, and compensation in kind, prior to such deductions as employee's Social Security contributions, income tax, group insurance, union dues, etc. Payments to officers of corporations are included, but payments to the proprietors or partners of unincorporated manufacturing establishments are not.

EXPLICACION DE TERMINOS USADOS

Todos los empleados. -- La categoría "todos los empleados" consta de todos los obreros de producción y relacionados, y de todo el personal adicional al de producción de los establecimientos manufactureros. Los datos de 1963 para todos los empleados representan un promedio del empleo informado para el período de pago que termina más cercano al día 15 de marzo, mayo, agosto, y noviembre. Todas las personas con paga por vacaciones por enfermedad, días feriados y con vacaciones regulares, durante estos periodos de pago son incluídas. Miembros de las Fuerzas Armadas, pensionados incluídos en las nóminas activas y trabajadores a domicilio son excluídos.

Obreros de producción.--Incluye empleados (hasta el nivel de capataz) ocupados en la fabricación, elaboración, montaje, inspección, recibimiento, almacenaje, manejo, empaque, embarque (pero no entrega), mantenimiento, reparación, limpieza, vigilancia, desarrollo de productos, producción auxiliar para el uso propio de la fábrica (por ejemplo, estación generadora), mantener los registros y otros servicios estrechamente asociados con operaciones productivas del establicimiento. Empleados supervisores sobre el nivel de capataz son excluídos de esta categoría. A los establecimientos con menos de 10 empleados se les pidió que informaran el empleo, sin diferenciar entre obreros de producción y otros empleados. Sin embargo, los datos sobre empleo de estos pequeños establecimientos están incluídos en los totales tabulados para obreros de producción, ya que el numero de empleados que no son en verdad obreros de producción es muy pequeño.

Propietarios y socios. -- Esta categoría incluye los dueños o socios de establecimientos manufactureros no incorporados (por ejemplo, propietarios individuales y sociedades), que estuvieron ocupados en operaciones de la fábrica como personal de producción o en otros menesteres. Propietarios individuales y socios activos no se consideran empleados del establecimiento.

Salarios y jornales. -- Esta cifra representa el total de los salarios pagados durante el año natural 1963 a todos los empleados en las nóminas de los establicimientos manufactureros. Este total incluye salarios, jornales, comisiones, paga por cesantía, bonificaciones, vacaciones regulares y por enfermedad, y compensaciones en especie, antes de deducir los descuentos para Seguro Social, contribusión sobre ingresos, seguros grupales,

Payments to members of the armed forces and pensioners carried on the active payroll are also excluded. Payments to homeworkers are excluded from salaries and wages, but are tabulated separately as "homeworker wages."

The larger establishments (10 employees or more) reported separately payments to production workers and payments to all others. Payments to production workers are tabulated as wages. Smaller establishments (fewer than 10 employees) reported only total salaries and wages; however, their payroll data are tabulated entirely as wages.

Homeworker wages.--Payments made directly to those who work outside the factory on materials supplied by the manufacturer. Payments to homeworkers are excluded from salaries and wages. Manufacturers did not report payments to homeworkers made through contractors or subcontractors; the latter, however, were requested to report such payments.

Value of shipments.—Net value of products shipped, f.o.b. plant, after discounts and allowances, and excluding excise taxes. Value of shipments includes receipts for contract work performed for others on their materials, and receipts for nonmanufacturing activities such as installation work performed by plant employees, repair work, sale of scrap and refuse, and sale of products bought and resold in the same condition. The value of shipments includes not only the value of products shipped and contract work for products primary to the industry under SIC classification, but also the value of products shipped and contract work for products secondary to the industry.

Products transferred to other establishments of the same company are valued at the nearest approximation to their economic value; that is, the value includes in addition to the direct costs of production a reasonable proportion of "all other costs" (company overhead and profits).

A summation of value of shipments data for individual industries to industry group totals results in large and unknown amounts of duplication because the products of some industries are used as materials by others.

<u>Value added by manufacture.</u>--Derived for each manufacturing establishment by deducting the total cost of raw materials, containers, parts, components, supplies, fuels and electric energy, goods purchased for resale, and contract work from

cuotas a uniones obreras, etc. Pagos a oficiales de corporaciones son incluídos, pero no así los pagos a propietarios o socios de establecimientos manufactureros no incorporados. Pagos a miembros de las Fuerzas Armadas y a pensionados son también excluídos. Pagos a trabajadores a domicilio son excluídos de salarios y jornales, pero son tabulados separadamente como "jornales de trabajadores a domicilio."

A los establecimientos más grandes (con 10 o más empleados) se les pidió que informaran separadamente los pagos a obreros de producción y pagos a todos los demás empleados. Los pagos a obreros de producción se tabulan como jornales. Los establecimientos pequeños (los que tienen menos de 10 empleados) se les pidió informaran solamente el total de los salarios y jornales; sin embargo, los datos de las nóminas son tabulados enteramente como jornales.

Salarios de trabajadores a domicilio. --Esta partida consiste de pagos hechos directamente a trabajadores a domicilio quienes trabajan fuera de la fábrica con materiales suplidos por el manufacturero. Los pagos a dichos trabajadores son excluídos de salarios y jornales. Los manufactureros no informan los pagos a trabajadores a domicilio cuando se hicieron a través de contratistas o sub-contratistas; éstos últimos, sin embargo, fueron los que informaron tales pagos.

Valor de las ventas.--El valor de las ventas representa el valor neto de los productos vendidos por los establecimientos manufactureros, libre a bordo, fábrica, después de las deducciones y descuentos y excluyendo arbitrios. El valor de las ventas incluye los ingresos de los trabajos por contrato ejecutados para otros con sus materiales y los engresos por actividades no manufactureras, tales como, trabajos de instalación realizados por los empleados de la fábrica, trabajos de reparación, venta de chatarra y desechos, y venta de productos comprados y revendidos en la misma condición. El valor de las ventas incluye no solo el valor de los productos vendidos y el trabajo por contrato para productos primarios clasificados por la CIU de dicha industria, sino también el valor de los productos vendidos y el trabajo por contrato para productos secundarios para esa industria.

Los productos que se transfieren a otros establecimientos de la misma compañía son valorados a la aproximación más cercana del valor comercial, esto es, el valor incluye además del costo directo de producción, una proporción razonable de "todos los otros gastos" (gastos generales de la fábrica y ganancias).

Los totales obtenidos para grupos de industrias a base del valor de las ventas en las industrias individuales resulta en uma duplicación considerable y desconocida, porque los productos de algumas industrias son usados como materiales primarios por otras.

3 3

the value of shipments (as defined above) and adjusting the difference for the net change in finished goods and work-in-process inventories.

Value added avoids the duplication in the value of shipments which results from the use of products of some establishments as materials by others. For most purposes, it is the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Expenditures for plant and equipment.--Larger manufacturing establishments (10 employees or more) reported expenditures in 1963 for permanent additions and major alterations to plant and for new and used machinery and equipment. Expenditures for land, leasing of equipment, and cost of maintenance and repairs charged as current operating expense are excluded.

FINAL REPORT FOR THE 1963 CENSUS OF MANUFACTURES OF PUERTO RICO

The final report for the 1965 Census of Manufactures of Puerto Rico (MC63-PR) will be published near the end of the second quarter of this calendar year. This publication will contain general statistics (employment, payrolls, value added, and value of shipments) distributed by: regions, standard metropolitan statistical areas (SMSA's) and municipios, employment size, value added size, and by tax status of the establishments. More detailed statistics, such as value of shipments by destination and class of customer and by kinds of products shipped, inventories by stage of fabrication, capital expenditures by type, and production worker man-hours, will be included for industries and SMSA's. The final publication also will show general and other statistics for manufacturing establishments classified by local (Puerto Rico) and nonlocal ownership.

Order forms for the final report may be obtained from the U.S. Department of Commerce Field Offices, from the Bureau of the Census, Washington, D.C., or from the Puerto Rico Planning Board, San Juan, Puerto Rico.

Valor agregado por la manufactura. -- Este valor se obtiene para cada establecimiento manufacturero, restando el costo total de la materia prima, envases, piezas, componentes, materiales, combustibles y energía electrica, productos comprados para reventa, y trabajos por contratos del valor de las ventas (segum definido antes), y ajustando la diferencia para el cambio neto de los productos terminados e inventarios de productos en proceso de elaboración.

El valor agregado evita la duplicidad en el valor de las ventas, lo cual resulta cuando algunos establecimientos usan como materiales los productos de otros establecimientos. Para muchos propósitos, es la mejor medidad de valor disponible para comparar la importancia económica relativa de la manufactura entre las industrias y las áreas geográficas.

Inversiones de capital. -- A los establecimientos manufactureros grandes (con 10 ó más empleados) se les pidió que informaran los gastos para 1963 por adiciones permanentes, y reparaciones mayores a la fábrica y por maquinarias y equipo nuevo y usado. Los gastos incurridos debido a la compra de terreno, alquiler de equipo, costo de mantenimiento y reparaciones cargados a gastos de operación, son excluídos.

INFORME FINAL PARA EL CENSO DE MANUFACTURAS DE 1963 DE PUERTO RICO

El informe final para el Censo de Manufacturas de 1963 de Puerto Rico (Boletin MC63-PR) será publicado a fines del segundo trimestre de este año natural. Esta publicación contendrá estadísticas generales (empleo, nóminas, valor agregado, y valor total de las ventas) distribuídas por: regiones, áreas estadísticas metropolitanas estándares (AEME) y municipios, tamaño de empleo, tamano de valor agregado, y por estado contributivo de los establecimientos. Estadísticas más detalladas, tales como valor de ventas distribuídas por consignación y clase de consumidor y por clase de productos vendidos, inventarios por etapes de fabricación, inversiones de capital por tipo de gasto y horas trabajadas por obreros de producción, serán presentadas por industrias y áreas estadístics metropolitanas estándares. La publicación final mostrará, además, estadísticas generales y otras estadísticas para los establecimientos manufactureros, clasificados entre pertenecientes a residentes de Puerto Rico y pertenecientes a no residentes.

Para solicitar el informe final pueden dirigirse a: U.S. Department of Commerce, Field Offices, Bureau of the Census, Washington, D.C.; o a la Junta de Planificación de Puerto Rico, San Juan, Puerto Rico.

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